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# DRUG & CHEMICAL MARKETS

Established 1914

A Weekly Business Paper and Prices Current on  
Chemicals, Drugs, Colors, and Aromatics

Read by  
Kocher

VOLUME XV

NEW YORK, OCTOBER 15, 1924

No. 16



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**In This Issue** { *Germany Leads in Dye Imports Here*  
*Where Are Bromide Prices Headed?*

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VOLUME XV

NUMBER 16

## The Week in Brief

### News

British manufacturers of heavy chemicals cannot meet new low prices made by German producers.

The chemical container question faces the trade again for discussion and solution.

Effect of ethyl gas production on the future output and price of bromides is interesting manufacturers.

Doone creditors to examine the books of Emerson Chemical Co.

### Markets

Industrials continue to pursue a steady course with buying conservative and prices generally unchanged.

With the formation of a German export selling association caustic potash prices have been advanced. Imported sodium nitrite is selling at higher levels.

Improved buying is reported in dyes and intermediates with prices holding at recent quotations. Benzol supplies continue scarce and sales are being made at slightly higher prices for prompt shipment. Phenol prices are firmer. Cresylic acid is being offered at concessions.

Advances in animal and vegetable oils have featured the oil market. Linseed oil has been advanced 3c gal. Corn and cottonseed oils are higher. Tallow is strong with an upward tendency. Palm oil supplies are small and prices higher. Turpentine down. Rosins are up.

A sharp advance in all alcohol prices of five cents per gallon featured a quiet fine chemical market this week. American refiners of camphor have reduced prices to eighty cents and are still well above the price for Japanese goods. Thymol crystals are held at five dollars per pound and difficult to find at any price. Quicksilver has moved slightly lower again.

Essential oil prices continue an upward trend this week with demand steady. Holders of peppermint oil in the Middle West are still bullish and prices are higher in New York. Scarcity of codliver oil has brought further advances in price.

An easing off in demand for crude drugs has brought some lower prices this week. Rio ipecac is in slightly better supply and easier. Insect powder is easier for shipment. Cascara sagrada is easier and lower on spot. The firmness of rhubarb root continues to maintain prices.

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# DRUG & CHEMICAL MARKETS

VOLUME XV

NEW YORK, OCTOBER 15, 1924

No. 16

## WHY GERMANY IS CUTTING PRICES

The reduction in freight rates and the price of coal in Germany with the avowed purpose of inducing manufacturers and traders to reduce prices has in it a double meaning. The Government hopes to benefit the wage workers by lowering the cost of living, and at the same time increase foreign trade by quoting prices which British, French and American manufacturers cannot meet. Great Britain has been more upset by German competition, thus far, than either France or the United States, but ultimately the whole world will be affected. English labor leaders are discussing the necessity for a protective tariff, France is enforcing an import tax on German goods, and the United States is feeling the competition in dyes which were sent here by German manufacturers to take advantage of the recent reduction in tariff rates on colors and chemicals.

One notable exception in the movement in Germany to cut prices is the potash industry. Neither lower freight rates nor cheaper coal has brought any revision in the price-schedule of the Potash Syndicate. Shipments to the United States have increased, with the aid of a recent American loan of \$6,000,000, but it is not necessary for the Germans to reduce prices because we have no tariff on potash imports, and French competition was eliminated by the recent agreement with Alsatian producers to share the American market with them. As the stocks of potash in Germany gradually decline, mines which had been closed owing to high production costs are being re-opened. Others are kept in condition for re-starting on short notice. So Germany reduces prices where competition is sharp, but intends to charge all the traffic will bear wherever competition is not a factor. The question of a tariff on potash is as vital to American interests today as it was during the war, and only when American potash deposits are developed under an adequate duty on potash imports will the United States be independent of foreign supplies.

## LABOR AND COMPETITION

Differences in the attitudes of German and British labor, which were pointed out by E. J. Mehren of McGraw-Hill Co. in his address before the Salesmen's Association, recently, deserve the consideration of every American manufacturer. Speaking, fresh from a visit abroad, Mr. Mehren summed up European conditions and contrasted them with what he had seen and heard four years ago, and while no attempt was made at prophecy, it was

quite evident which country is, in his opinion, making the greatest progress at present.

The labor situation in England was described as most discouraging. With over 1,200,000 unemployed, trade slow, a passive attitude on the part of labor, and dependence upon the Government for doles, there has been a growing complaint that British labor is not willing to do its share in reconstruction. In contrast to this situation in England, industry in Germany is gaining confidence by leaps and bounds. With the stabilization of the mark, the orgy of spending, of getting material value for money, ceased. A new era opened up and saving has become a passion with labor. Costs of living have increased and pre-war wages are being received, but a more prosperous feeling is evident and people are now well fed and more content. There is no complaint against labor, which is increasing in efficiency. The main German problem now is credits. Credit resources are only one-tenth of before the war and everything is on a C.O.D. basis. A three month credit is a long and difficult thing to get and terms run up to five per cent a month.

The only guarantee of success in reconstruction is low cost and efficiency. This economic creed Germany has accepted. It is useless to blink the fact that in their industrial attitude Germans have come back to "normalcy" more quickly than Britishers or Frenchmen. Success comes to the producer who can sell the best goods cheapest, and greater national wealth comes only from increased production. It seems just possible—after reading some of our political news—that even we in America have not yet remembered these economic facts.

## A DEFINITE CONTAINER SOLUTION

Out of the maze of returnable container suggestions and plans, rejections and complaints, lost customers, and injured feelings, has come what appears to be something definite in the way of a solution. The plan may or may not be applicable to all returnable containers, but the principle is one upon which a great deal of honest effort can be spent to advantage to build up a practicable scheme for the entire chemical and drug industries. The preliminary arrangements have been worked out by the salesmanager of one of the big chemical companies, particularly for the use of alcohol and methanol, and if it is successful in this field, will probably be extended to others.

As applied to drums, the plan specifies that the charge to the buyer shall be six dollars, and, when the drum is returned, a credit of five dollars shall be given. For the charge of one dollar, the seller

pays the freight on the drum both ways, pays for reconditioning, handling, and interest on investment. The seller carries the risk of loss or damage in transit, and the buyer merely has to deliver his empties to the railroad and present his receipt for full credit at the agreed five dollar figure. In the case of carboys and other containers, the dollar differential between cost and credit could be arranged to fit the particular case. Of course, in all cases, the time limit would be 90 or 120 days, and each manufacturer would be obliged to accept back only his own drums. Those who have worked out the plan for drums, state that statistics show the average drum makes two trips per year, and is good for three years, altogether a total of six trips. This means that the wear and tear on the drum alone is equal to one dollar per trip, while freight and handling must be added to this.

If the proposed arrangement can be put into force, it ought to eliminate a great deal of wrangling and dissatisfaction. The consumer pays something less than a cent per gallon and is rid of all trouble and worry,—container insurance, as it were. Container disputes could be reduced to a minimum, and an ultimate policy of selling everything on a basis of containers included, could be definitely eliminated. The new plan seems workable, and is a definite and concrete step toward a solution of an already hopelessly involved situation.

#### MOTOR FUELS AND CHEMICALS

The fact that no bromides can be purchased in the United States to-day in any tonnage, dates right back to the automobile. The production of ethyl gas, the new anti-knock compound for gasoline engines, which contains tetraethyl lead, uses ethyl bromide in the ethylation process, and has taken practically all available bromides off the market. Furthermore, the whole country has not yet been covered in the sale of this new product, which when in full swing will take about twice the former normal consumption of bromides for its exclusive use. This is one of the first cases where the chemical industry, particularly the consumers of bromides, has felt the effect of the wide search for a chemical means to improve the efficiency of motor fuels.

In the attempt to eliminate knocking, reduce carbon deposits within the cylinders, and to give greater mileage and power to gasoline as a motor fuel, numerous mechanical and chemical means have been tried out. To blend with gasoline, the demand for benzol has been heavy, stocks have been kept close to exhaustion, and the price has been sustained at a level out of proportion to the gasoline market. Large quantities of nitrobenzol, and orthonitrotoluol have gone into anti-knock and anti-carbon compounds. The experimenters have worked with aniline oil and carbon bisulfide in the gas. Carbon tetrachloride, the arch-enemy of fire and flame, has been used with some success to prevent knocking in a hot engine. Iodine, and even the salts of iodine, have been found quite effective as an anti-knock ingredient, and when it

is realized that only about a tenth of the iodine which Chile is capable of producing ever gets on the market to-day, this product may have a commercial future in the automobile field.

The few examples merely illustrate what a tremendous thing the automobile fuel problem has become and how the chemical industry, as time goes on, will become more and more involved. Mechanical means, through carburation, can go part way to increase mileage and power, but beyond that, chemicals must do the work. This field bids fair to be one of the biggest chemical consumers ten or twenty years hence when all motor fuels on the market will be compounds, and motorists will demand thirty miles per gallon minimum.

#### Ten Years Ago

From the Oct. 14, 1914, issue of "Drug & Chemical Markets":

Normally from 1,000 to 1,500 tons of dyestuffs are imported into the United States from Germany every month. With this enormous consumption, it may readily be seen how the lack of shipments threatens to cripple the textile business; and how, even if millmen here had maintained large reserve stocks, these soon must be exhausted, and a dye famine will face the country.

We have received word from France that after present stocks of essential oils are moved, we need expect no more for an indefinite time, said an official of George Lueders & Co.

It is probable that the war revenue tax bill as amended in committee, will be passed by the United States Senate this week. Proprietary medicines, cosmetics, perfumes, chewing gum, etc., will be made to bear \$7,000,000 of the impost in the form of stamps.

The placing of cyanide on the tariff free list resulted in the shutting down and dismantling of all factories in this country except one, which is now being run at about ten per cent of capacity. Formerly, American plants supplied from 90 to 95 per cent of the domestic demand.

Turkey is not at war—yet, but with attar of rose worth from \$12.50 to \$15.00 per ounce, buyers are not willing to take a chance on its traveling unattended on the long trip to Smyrna.

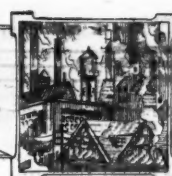
#### WINKWORTH OF SOLVAY TO TRAVEL

E. D. Winkworth, who resigned last week as president of Solvay Process, Semet-Solvay and Atmospheric Nitrogen companies, Syracuse, is planning a long trip with his family. Mr. Winkworth joined the Solvay company when 16 years old as a messenger boy. Unusual determination soon brought him to a place in the executive offices and he was made secretary of the By-Products Coke Corp. He resigned when its executive offices were moved to Chicago and was transferred to the Semet-Solvay Co. as vice-president. He became head of the company May 12, 1920, succeeding H. H. S. Handy, who resigned. He became executive vice-president of both companies when Mr. Pierce went to New York permanently as vice-president of Allied Chemical and Dye Corp., Sept. 15, 1921. When Mr. Pierce simultaneously resigned as president of Solvay and vice-president of Allied Chemical Feb. 1, 1922, Mr. Winkworth succeeded him as head of the Solvay interests. Solvay Process employs about 3,500 men.



# Industrial Chemical

## SECTION



## September Dye Imports Mainly from Germany

*Switzerland Sent 35 Per Cent and Italy, Holland, Canada, England, Belgium and France Small Amounts*

Fifty per cent of the September imports of dyes (152,978 pounds, valued at \$159,620) came from Germany, 35 per cent from Switzerland, 6 per cent from Italy, 4 per cent from Holland, 2 per cent from Canada, and 1 per cent each from England, Belgium and France.

The total imports of medicinals, intermediates, photographic developers, and other coal-tar chemicals for the month of September were 76,770 pounds, with an invoice value of \$17,450. Of this quantity, 79 per cent was imported during the period, Sept. 1-21, 1924. The poundages given are approximate because a small quantity of the medicinals were reported as ampoules, the exact weight of which is not known.

Month.	Pounds.	Value.
January .....	201,271	\$48,116
February .....	55,094	16,870
March .....	212,343	46,254
April .....	21,550	22,789
May .....	17,534	7,001
June .....	106,127	22,669
July .....	5,718	10,245
August .....	4,332	8,062
September .....	76,770	17,450

The dyes in this report are grouped by Schultz numbers and in the cases of those which could not be identified by Schultz number, the classification according to the ordinary method of application was adopted. As the pastes and powders of the vat dyes vary widely in strength and quantity, each vat dye has been reduced—in nearly every case—to a single strength basis.

The designation of "c" for competitive and "nc" for non-competitive indicates the appraisal basis for the assessment of the ad valorem duty in Paragraph 28 of the Tariff Act of 1922. The list was compiled by the tion are doubtful, pending further investigation.

The ad valorem for competitive dyes is based on the American selling price, as defined in subdivision (f) of Section 402 of Title IV; the ad valorem rate for non-competitive dyes is based on the United States value, as defined in subdivision (d) of Section 402 of Title IV of the Tariff Act of 1922. The list was compiled by the Chemical Division of the Bureau of Foreign and Domestic Commerce in collaboration with the Chemical Division of the United States Tariff Commission.

The key to abbreviations:

### 1. The Six Leading German Companies

A....Action-Gesellschaft fur Anilin-Fabrikation, Berlin. Founded 1873.  
B....Badische Anilin-und-Soda Fabrik, Ludwigshafen-on-the-Rhine. Founded 1865.  
By....Farbenfabriken, vormals Friedr. Bayer & Co., Leverkusen on the Rhine. Founded 1862.  
C....Leopold Cassella & Co., Frankfurt-on-the-Main. Founded 1870.  
K....Kalle & Co., A. G., Biebrich on the Rhine. Founded 1870.  
M....Farbwerke, vormals Meister Lucius & Bruning, Höchst-on-the-Main. Founded 1862.

### 2. The Smaller German Companies

BK....Leipziger Anilinfabrik Beyer & Kegel, Furstenberg, near Leipzig. Founded 1882.  
CG....Chemikaliwerk Griesheim G. m. b. H., Griesheim-on-the-Main. Founded 1882.  
CJ....Carl Jager G. m. b. H., Anilinfabrik, Duesseldorf. Founded 1823.  
GrE....Chemische Fabrik Griesheim-Electron, Offenbach-on-the-Main. Founded 1842.  
L....Farbwerk Mulheim, vormals A. Leonhardt & Co., Mulheim-on-the-Main. Founded 1879.  
tM....Chemische Fabriken, vormals Weiler ter Meer, Uerdingen-on-the-Rhine. Founded 1877.  
WD....Wulfig, Dahl & Co., A. G. Barmen. Founded 1842.

### 3. Swiss Companies, all at Basel

DH....Farbwerke vormals L. Durand, Hugenin & Co., Founded 1871.  
G....Anilinfabrik-und-Extract-Fabriken, vormals Joh. Rud. Geigy. Founded 1764.  
I....Gesellschaft fur chemische Industrie. Founded 1885.  
S....Chemische Fabrik, vormals Sandoz & Co., Founded 1887.

### 4. Dutch and French Companies

FA....Farbwerk Ammersfoort, Ammersfoort, Netherlands. Founded 1888.  
NF....Niederlandische Farben-und-Chemikalienfabrik Delft, Delft, Netherlands. Founded 1897.  
CN....Compagnie Nationale des Matieres Colorantes et Produits Chimiques. Founded 1917.  
P....Societe Anonyme des Matieres Colorantes et Produits Chimiques St. Denis. (formerly A. Poirrier). Founded 1830.

### 5. English Companies

Bro....Brotherton & Co. (Ltd.), City Chambers, Leeds.  
BAC....British Alizarine Co. (Ltd.), Manchester.  
BD....British Dyestuffs Corporation (Ltd.), London.  
CI Co....The Clayton Aniline Co. (Ltd.), Clayton, Manchester.  
CV....The Colne Vale Dye and Chemical Co. (Ltd.) Milnsbridge, Huddersfield.  
Hol....L. B. Holliday & Co. (Ltd.), Huddersfield.  
Scot....Scottish Dyes (Ltd.), Grangemouth.  
1Etablissements Kuhlmann merged with this company in 1923.

The list of dyes follows:

Schultz No.	Dye & Maker	Quantity Pounds
22	Xylene light yellow	9,920
	Xylene light yellow 2G conc.—S....	
28	Hansa yellow G	1,600
	Hansa yellow G pdr.—M	
52	Orseille red V—Q	11
48	Alizarin yellow G	500
	Alizarin yellow 2G paste—M....	
61	Victoria violet	4
	Dahlia Violet—Q	
140	Curcumeine	220
	Chromocetrone R—DH	

Schultz No.	Dye & Maker	Quantity Pounds
143	Tropacoline	11
	Mandarin yellow—Q	
160	Fast brown N	22
	Reddish-brown castor—Q	
182	Brilliant sulphur red	1,000
	Brilliant sulphur red B—S	
212	Acid brown	2
	Direct brown R—Q	
217	Naphthylamine black	2
	Fancy black—Q	
220	Palatine black	1,500
	Pilatus black SF—B	
	Wool black GRF—A	
265	Sulphocyanine black	909
	Acid milling black B—G....	
273	Diaminogène blue—nc	1,000
	Blue NA—C	
313	Congo rubine—nc	300
	Congo rubine B—K	
325	Columbia Blue R—A	25
332	Benzo fast red	500
	Fast cotton red 8BL—A	
339	Brilliant orange G—nc	500
	Diamine orange B—C	
348	Diphenyl brown BN	551
	Diphenyl brown BBNC—G	
354	Direct gray R—nc	3,439
	Direct gray R paste—G	
358	Diphenyl red	1,398
	Chloramine red 8BS—nc—By	
	Toluylene red—GrE	
363	Benzopurpurine 4B	220
	Universal scarlet C—C	
364	Diazo brilliant black B pdr.—By....	110
	Diazo brilliant black B pdr.—By....	
387	Columbia blue	100
	Columbia blue G—A	
392	Toluylene orange	661
	Direct fast orange K—I	
415	Dianil blue G	225
	Universal light blue C—C	
476	Benzamine brown 3GO	331
	Cupranil brown G—I	

INDUSTRIAL CHEMICAL SECTION

Schultz No.	Dye & Maker	Quantity Pounds
498	Turquoise blue—Q	22
503	Neptune green—Q	300
505	Brilliant green B—C	220
512	Light green (yellowish)	45
512	Acid green extra conc.—C	2
512	Magenta	222
512	Fuchsine N—Q	11
515	Methyl violet	11
516	Methyl violet—Q	50
516	Crystal violet	1,390
526	Crystal violet extra conc.—B	400
526	Acid violet 4RS	550
530	Acid violet, red—Q	851
530	Acid violet	1,671
541	Brilliant dianil blue 6G	1,150
541	Brilliant sky blue 5G—By	100
548	Patent blue	441
548	Patent blue V—Q	620
548	Poseidon blue BGX—B	551
548	Poseidon blue BR extra—Q	441
546	Cyanol	110
546	Cyanol FF—C	720
553	Eriochrome cyanine	680
553	Eriochrome cyanine RC—G	100
571	Rhodamine 6G	2,000
571	Rhodamine 6GDN extra pdr.—nc—B	500
571	Rosazine 6G extra—M	4
573	Rosazine 6GD extra—M	1,111
573	Rhodamine B	300
573	Rhodamine B extra—c—B	2,183
573	Rhodamine B extra—c—M	7,516
580	Fast acid violet	10,297
580	Fast acid violet R—M	
606	Phosphine	
606	Patent phosphine M—I	
608	Euchrysine	
608	Patent phosphine GRNTN—c—B	
608	Patent phosphine RRD—c—B	
617	Columbia yellow	
617	Diphenyl chlorine yellow FF—G	
617	Universal yellow C—C	
627	Anthracyanine	
627	Chromacetine blue S extra—DH	
635	Modern cyanine	
635	Blue 1500 TCD—DH	
663	New methylene blue	
663	New methylene blue NC—C	
663	New methylene blue NS conc—nc—S	
672	Azo carmine GX	
672	Azo carmine GX—B	
687	Rosolane O, T, R	
687	Methylene heliotrope extra—nc—M	
690	Metaphenylene blue R	
690	Diphenyl blue R—A	
698	Paraphenylene violet	
698	Diphenyl blue B—A	
698	Nigrosine, spirit-soluble	
698	Black blue—Q	
700	Nigrosine, water-soluble	
700	Nigrosine T—nc—B	
724	Silver gray—Q	
724	Immedial b'ue	
724	Immedial direct blue B—C	
759	Anthraflavone G—(S.S.)	
759	Anthraflavone GC pdr.—nc—B	
759	Anthra yellow CC paste fine—B	
759	Anthra yellow CC paste—B	
760	Indanthrene golden orange G (S.S.)	
760	Helindone golden orange IG—M	
760	Helindone golden orange DIG—M	
760	Vat golden orange G dbl paste—B	
760	Vat golden orange G pdr.—B	
761	Indanthrene golden orange R (S.S.)	
761	Helindone golden orange IRT	
761	paste—M	
761	Vat orange RRT paste—B	
761	Vat orange RRT paste fine—B	
761	Vat orange RRTS pdr.—B	
761	Vat golden orange RRT paste—nc—B	
762	Indanthrene scarlet G (S.S.)	
762	Vat orange 4R pdr.—B	
765	Indanthrene green B (S.S.)	
765	Indanthrene blue green B—B	
768	Indanthrene violet B	
768	Vat violet B paste—B	
778	Alizarin synthetic	
778	Alizarin VI extra pure—B	
778	Alizarin red DIB new—c—Q	
794	Cibacolor black B (S.S.)	
794	Cibacolor black B new paste—I	
794	Cibacolor black 2G pdr.—I	
795	Cibacolor yellow R (S.S.)	
795	Cibacolor yellow R pdr.—nc—I	
804	Alizarin blue S	
804	Alizarin blue S pdr.—B	
810	Helindone yellow 3GN	
810	Vat yellow RK paste—B	
817	Algal yellow R (S.S.)	
817	Vat yellow GK pdr.—B	

## INDUSTRIAL CHEMICAL SECTION

Schultz No.	Dye & Maker	Quantity Pounds
819	Algal red FF, R (S.S.)	834
820	Vat red R extra pdr.—nc—By	105
820	Algal brilliant violet R	400
820	Vat brilliant violet RK paste—nc—By	1,200
820	Algal brilliant orange FR	7,903
820	Vat orange RRR paste—By	1,868
830	Indanthrene red R (S.S.)	15
830	Anthra red RT paste—B	1,200
830	Anthra red RT pdr.—B	6,178
831	Indanthrene red BN (S.S.)	1,115
831	Helindone red DIBN ex paste—M	150
831	Indanthrene red BN ex pdr.—nc—B	2,900
831	Vat red RK paste—B	110
831	Vat red RK paste fine—B	1,020
832	Indanthrene violet RN	230
832	Vat violet BN paste—nc—B	4,362
834	Algal gray B	499
834	Vat gray GK paste—B	4,644
838	Indanthrene blue RS (S.S.)	611
838	Indanthrene blue RS trip. pdr.—c—B	878
842	Indanthrene blue GCD (S.S.)	200
842	Indanthrene blue GCD dbl. pst—c—B	110
842	Vat blue GCD dbl. paste—B	1,692
842	Vat blue GCD dbl. paste fine—B	3,310
848	Indanthrene blue GC (S.S.)	6,560
848	Cibacolor blue G pdr.—I	
847	Vat blue GC paste—B	
847	Algal green	
849	Hydron green G paste—c—B	
849	Indanthrene yellow G (S.S.)	
849	Indanthrene yellow G dbl. paste—B	
849	Vat yellow G dbl. paste—B	
849	Vat yellow G dbl. paste fine—c—B	
853	Anthraquinone violet	
853	Anthraquinone violet—By	
855	Alizarin pure blue B	
855	Alizarin sky blue B pdr.—By	
856	Alizarin astrol	
856	Alizarin blue AS pdr.—nc—By	
858	Alizarin saphrol B	
858	Alizarin blue SAWSA—By	
858	Alizarin light blue B—S	
858	Alizarin light blue B conc—nc—S	
860	Cyananthrol G	
860	Alizarin direct blue BGAAO—B	
860	Cuananthrol BGAAO—nc—B	
862	Alizarin blue black	
862	Alizarin blue black B pdr.—c—By	
862	Alizarin blue black B pdr.—M	
865	Alizarin direct green G	
865	Alizarin cyanine green G ex—c—By	
865	Alizarin cyanine green 3G pdr.—By	
867	Indanthrene brown B	
867	Anthra brown B dbl. paste—B	
871	Indanthrene red violet RRN (S.S.)	
871	Vat red violet RRR pdr.—B	
876	Indigo, white	
876	Indigosol DH—DH	
877	Indigotine	
877	Indigotine I—Q	
885	Brilliant indigo B	
885	Brilliant indigo B paste—B	
886	Brilliant indigo G (S.S.)	
886	Brilliant indigo G pdr.—M	
901	Ciba violet B (S.S.)	
901	Ciba violet R pdr.—I	
904	Helindone brown G	
904	Helindone brown G paste—nc—M	
906	Ciba red G (S.S.)	
906	Ciba red G pdr.—I	
907	Ciba scarlet G (S.S.)	
907	Ciba scarlet G extra paste—nc—I	
907	Helindone fast scarlet C paste—M	
910	Thio indigo scarlet 2G paste—K	
911	Helindone pink BN	
911	Vat pink BN paste—M	
911	Ciba orange G	
912	Thio indigo G paste—I	
912	Ciba pink BG pdr.—I	
917	Helindone red 3B	
917	Vat red 3B paste—M	
922	Ursol	
922	Nako B—M	

## UNIDENTIFIED DYES

## Acid Dyes

Dye & Maker	Quantity Pounds
Acid black—O	11
Alizarin levelling blue—C	1,000
Alizarin rubinol 3G—nc—By	55
Black for ostrich feathers—Q	22
Erio navy blue—G	493
French blue—O	11
Guinea fast red 2R—A	200
Ink blue BITN—Gr E	300
Onis (Anthosine) 3B—B	277
Rubine 3G powder—By	396
Wool fast blue BL—By	276
Xylene milling orange R conc—nc—S	100

## Vat Dyes

Dye & Maker	Quantity Pounds
Alizarin indigo brown R paste—By	800
Algal brown G (S.S.)	580
Vat brown G pdr.—nc—By	44
Ciba red 3B paste—I	220
Cibacolor brown R paste—I	100
Helindone fast scarlet G paste—M	100
Hydron bordeaux B, R	100
Hydron bordeaux B dbl. paste—C	5,300
Hydron bordeaux R dbl. paste—C	
Hydron brown	
Hydron brown G paste—nc—C	
Hydron brown R paste—nc—C	
Hydron orange RF paste—C	661
Hydron pink FB, FF paste—C	731
Hydron sky blue FK paste—C	525
Indanthrene pink (S.S.)	2,693
Anthra pink R extra paste—c—B	
Helindone pink IB dbl. paste—M	
Vat pink B dbl. paste—B	
Vat blue GGHZ, RHZ pdr.—B	2
Vat blue RC paste—B	15
Vat green GG Paste	400
Vat yellow 3RT—B	15

## Mordant and Chrome Dyes

Chromanol black RVI—DH	55
Chrome brilliant blue G—nc—G	276
Chromorhodine BR—DH	110
Eriochrome red G—nc—G	1,102
Metachrome green 3G—A	10
Metachrome blue black 2BX—A	144
Metachrome olive brown G pdr. Bro.	600
Metachrome red G—A	100
Pilatus chrome black B—B	100
Ultra cyanol B conc—nc—S	200
Benzo fast heliotrope BL—nc—By	110
Benzo red 12B—c—By	403
Blue III, IV—BC	600
Chicago red III—nc—G	366
Chlorantine fast brown 3CL, RL—I	2,201
Chlorantine fast green B	110
Chlorantine fast yellow 4GL—I	1,101
Developing black OT—C	250
Diamine catechine B—I	3,748
Diamine catechine G—C	50
Diamine fast brown R—nc—C	500
Diaz brilliant green 3G—By	300
Diaz brilliant scarlet 2BL extra, 6B	929
Diaz fast blue 6GW—I	230
Diaz fast violet BL—nc—By	276
Diaz fast yellow 2G—nc—By	551
Diaz indigo blue 4GL extra—nc—By	551
Diphenyl catechine R supra—nc—G	110
Direct black RMW—C	100
Direct cutch brown GR—I	1,102
Polyphenyl blue GC—c—G	485
Universal blue C—C	5
Universal bordeaux C—C	5
Universal brown C—C	5
Universal dark brown C—C	5
Universal gray C—C	5
Universal heliotrope C—C	5
Universal leather brown C—C	5
Universal olive brown C—C	5
Universal violet C—C	5
Zambesi black D—c—A	500

## Basic Dyes

Acridine scarlet J—DH	85
Brilliant rhodamine blue R—nc—By	584
Methylene gray B new—B	100
Rhodamine blue GO—nc—By	85
Rhodamine sky blue 3G—By	55

## Sulfur Dyes

Sulphide black BL extra strong—M	25
Thional brilliant blue 6BS conc—nc—S	2,000

## Unclassified Dyes

Fast cotton rubine 3B—A	5
Fast cotton violet 4R—A	5

## Color Lakes of Coal-Tar Origin

Name of Lake	Quantity Pounds
Alizarin color 1054	1,000
Azure blue 315 BK	750
Madder pink FK	100

## Synthetic Aromatic Chemicals of Coal Tar Origin

Name of Chemical and Country	Quantity Pounds
Acetophenone—c—Switzerland	11
Anisaldehyde—Germany	2
Benzaldehyde—Germany	22
Benzyl acetate—c—France, Holland	220
Benzyl alcohol—c—Holland	60

**U. S. CHEMICAL HAS POTASH CONTRACT**  
(Special to DRUG & CHEMICAL MARKETS)

Baltimore, Oct. 15.—At a meeting of the Associated Fertilizer Manufacturers of America, held in the Southern Hotel, Baltimore, recently, contracts for supplies of potash required by the members were ordered placed with the Societe Commerciale des Potasses d'Alsace, and with the United States Industrial Chemical Co. of Baltimore, in the proportions of about 75 per cent for the French syndicate and 25 per cent for U. S. Industrial Chemical Co.

The placing of contracts for sulfate of ammonia has been left to individual manufacturers, and the requirements of these manufacturers are now covered by private arrangements with producers of sulfate of ammonia. The price was \$62 per ton, Baltimore.

United States Industrial Chemical Co. is a subsidiary of United States Industrial Alcohol Co., with a large plant at Curtis Bay, near Baltimore, where potash and other by-products are obtained from the waste of molasses used in the manufacture of industrial alcohol.

Associated Fertilizer Manufacturers includes 70 or 80 of the manufacturers of mixtures, principally in the Eastern states, and was organized for the purpose of placing orders for materials on a large scale to get the benefit of the lowest prices.

**DRAFT HYDROCYANIC ACID REGULATIONS**

Regulations for handling hydrocyanic acid have been drawn up for the California Accident Commission by a committee consisting of G. P. Gray, Chief, Division of Chemistry, Department of Agriculture, State of California; L. H. Duschak, chemical engineer; A. Wade, engineer, Industrial Accident Commission; T. W. Osgood, Assistant Superintendent of Safety, Industrial Accident Commission; August L. Meier, Azusa Transfer Co.; R. S. Woglum, California Fruit Growers Exchange; Paul J. Carlisle, Assistant Works Mgr., Pacific R. & H. Chemical Co.; F. S. Pratt, Works Mgr., Pacific R. & H. Chemical Co., and H. P. Eastman, of Owl Fumigating Corp. The committee report in eleven sections deals with the specifications for hydrocyanic acid, the proper temperature for keeping it, methods of transferring it from one container to another, instructions to employees with special reference to first aid methods, ventilation, transportation, storage, construction of containers, safety precautions in manufacturing plants, the storage and handling of sulfuric acid and the storage and handling of sodium cyanide. The suggested regulations are in detail and represent a most careful study of the subject.

**ANSWER FILED IN NITRITE CASE**

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., Oct. 15.—The Tariff Commission has filed a brief in the Court of Appeals of the District of Columbia in the Norwegian Nitrogen Products case. The case reached the Court of Appeals from the Supreme Court of the District of Columbia, which upheld the Tariff Commission. The Norwegian company brought the Tariff Commission into court on its refusal to allow the Norwegian company to see the cost of production figures of American producers of sodium nitrite.

The brief declares that individual costs of production are trade secrets, and that the granting of a mandamus would destroy the flexible provisions of the Tariff Act. The court is asked either to dismiss the appeal of the Norwegian company or affirm the judgment of the lower court.

Wessel, Duval & Co., New York, will distribute sodium nitrate in Chile for the Association of Nitrate Producers.

**BRITISH FEEL GERMAN COMPETITION  
AND CANNOT MEET NEW LOW PRICES**

**Early In 1924 Manufacturers of Yellow Prussiate of Potash Sold Their Product in Germany, But Now Have Lost The Market—Cream Tartar Prices Slashed**  
(Special Correspondence to DRUG & CHEMICAL MARKETS)

London, Oct. 4.—Business, although still comparatively small, is better than it was a month ago. The general tone of the spot markets keeps very steady with some few changes in prices, mostly in buyers favor, but these have not affected the market as a whole. Since the Dawes plan was put in force the conditions in Germany have rapidly improved. Hitherto importers had experienced much difficulty in obtaining shipment according to contract. Now, however, supplies are coming to hand with every freedom. Everything points to the keenest competition from this source of supply and already some prices show a fair cut.

An instance of the fierce competition already felt from Germany is that of Yellow Prussiate of Potash. Up to a short while ago the British makers held this market and early in the year were in fact selling to Germany. Now the Germans have cut the market and have collared most of the business at an impossible price. The material is offered spot London at 6½d. per lb. Cream tartar is another item that has gone cheaper for this reason and dealers are now offering B.P. at 80s. per cwt., less 2½%. The market in tartaric acid has fallen to pieces. Spot material is heavy with hardly any buyers about. Quoted at 1 shilling per lb., less 5% for B.P. crystals with as low as 11d. being accepted for big lots.

Formaldehyde has been idle for a long time and dealers' prices have moved down from £54 to £50 per ton for 40% volume.

Oxalic acid continues to drag on a lifeless market. Quantities of continental material are offering on spot from 3¾d. to 4d. per lb. and these low prices are difficult to make.

Arsenic has been dull and flat all the month with the Cornish mines offering at about £43 per ton, f.o.r. mines.

Acetic acid, after a poor time, has become active and prices have advanced £1 per ton with the market steady. 80% technical, £44; 80% pure, £45; glacial, £68 per ton.

Acetone has been slack and prices are unsteady at a low level of about £95 per ton, for B.G.S.

Carbolic acid crystals are weak and dull—quoted at about 6d. per lb. f.o.b. in bulk quantities.

Creosote oil has cheapened with prices ex-works at 5½d. and f.o.b. 6¼d. per gallon.

Naphthalene is cheaper on spot at or just under £16 per ton for flakes.

Pitch is in a bad way with the price quoted for next season down to 47s. 6d. per ton, f.o.b.

In dyestuffs and colors there is little to report. Nothing further has been or is likely to be heard of the proposed agreement between the German makers and the British Dyestuffs Corp. Very large quantities of German dyes have been imported this month under reparations. The quantities run into some hundreds of tons. The importation of dyes from Germany under reparations ends this year.

H. D. Ruhm, of New York, leaves for Tennessee, this week to develop oil shale and phosphate lands in which he is interested with his son. Mr. Ruhm's address during his stay will be Ruhm Phosphate & Chemical Co., Mt. Pleasant, Tennessee.

## The Heavy Chemical Market

Current Spot Quotations for Heavy Chemicals, pages 1178-1180

### CAUSTIC POTASH HIGHER FOR SHIPMENT

German Export Selling Association Names Higher Prices—Imported Sodium Nitrite Higher—Domestic Maker Cuts Potassium Permanganate—Sodium Prussiate Contracts Being Booked—Sterling Strengthens Foreign Products—Prices Steady on Fair Demand

#### PRICE CHANGES IN NEW YORK (Stocks in First Hands)

**Advanced**  
Sodium Nitrite, Imp.,  $\frac{1}{4}$ c lb. Caustic Potash, Spot,  $\frac{1}{4}$ c lb.  
Caustic Potash, Imp., sht., 1c lb.

**Declined**  
Potassium Permanganate, Dom.,  $\frac{1}{4}$ c lb.

#### Trend of the Market

	Last Today	Last Week	Last Month	Last Year	War Peak	Pre- War
Acetic Acid, Glacial....lb.	\$11	\$11	\$11	\$12 $\frac{1}{4}$	\$19 $\frac{1}{4}$	\$3.07
Sulfuric Acid, 66 deg. ton	14.00	14.00	14.00	13.00	\$5.00	20.00
Ammonium Sulfate, 100lbs.	2.55	2.55	2.50	3.15	7.50	2.65
Bleaching Powder, 100lbs.	1.90	1.90	1.90	1.25	9.50	1.50
Copper Sulfate, c/100 lbs.	4.60	4.60	4.60	5.00	20.00	4.50
Potash Caustic, Imp....lb.	.07 $\frac{1}{4}$	.07	.06 $\frac{1}{4}$	.07	.87	.08
Soda Ash, 55 p.c. 100 lbs.	1.94	1.94	1.94	2.00	3.50	.60
Caustic Soda, 76 p.c. 100 lbs.	3.66	3.66	3.66	3.70	9.50	1.42
Potassium Bichromate..lb.	.08 $\frac{1}{4}$	.08 $\frac{1}{4}$	.08 $\frac{1}{4}$	.09 $\frac{1}{4}$	.65	.06 $\frac{1}{4}$
Sodium Prussiate, Imp..lb.	.09 $\frac{1}{4}$	.09 $\frac{1}{4}$	.09 $\frac{1}{4}$	.13 $\frac{1}{4}$	1.25	.18
Average .....	2.906	2.906	2.901	3.056	10.79	2.99

Steadiness continues to feature the market in industrial chemicals. While the volume of business has shown a decided improvement during the past month or six weeks, the gain has not been sufficient to warrant any general movement in prices, sellers being content to maintain their present selling levels. A gradual expansion, however, is reported in the consuming industries and buying is taking place on a broader, though conservative scale. An indication of the increased consumption of raw materials throughout the country is seen in the increase in car loadings during the past month. Then, too, the steel industry, a barometer of domestic industry, has shown a decided improvement with a gain in output of 11 per cent in September over the preceding month. The rise in sterling during the past week has had the effect of strengthening a number of products, prices of which are based on this exchange. With the period of booking contracts for next year at hand, manufacturers will be occupied during the next two months with this phase of business. Owing to some uncertainty concerning the result of the coming election, not a few consumers are hesitating about contracting until after the election. Among the imported chemicals, caustic potash and sodium nitrite are decidedly stronger. Potassium permanganate has been reduced by the lone domestic maker.

**Acid Acetic**—Shipments have been increasing steadily, according to makers. Prices are holding at former quotations of \$3.12@3.37 for 28% as to quantity in barrels; 56%, \$5.85@6.10; glacial, \$11.01@11.76.

**Acid Formic**—Moving at recent levels of 11 $\frac{1}{4}$ c@12c lb. as to seller and quantity.

**Acid Oxalic**—Inclined to be a trifle easier though still quoted at 9 $\frac{1}{4}$ c@10c lb. as to seller.

**Acid Sulfuric**—Small quantity consumers have been taking increased supplies with makers firmer in their quotations. Tank car shipments are reported to be on the increase. Tanks of 66° acid held at \$14.00 ton, works, and 60° acid, \$9.00 ton. Carboys of 66° named at \$1.30@1.70.

**Acetone**—Makers report a good consuming demand with prices steady. Fermentation grade named at 16c @17c lb. as to quantity. By the acetate of lime process maker quotes 17c@18c lb.

**Ammonium Chloride**—Business has been going through at 5 $\frac{3}{4}$ c lb. for carlots of the imported white for shipment. Spot lots held at 6 $\frac{1}{4}$ c@6 $\frac{1}{2}$ c lb. Domestic white at 7 $\frac{1}{4}$ c@8c lb.

**Arsenic**—Little interest in the market though occasional sales are taking place at prices ranging from 6 $\frac{1}{2}$ c@7c lb.

**Barium Compounds**—Demand continues slow. Prices have shown no change with imported chloride held at \$73@75 ton and shipments at \$72 ton. Domestic \$78.50 @82.50 ton. Carbonate is offered at \$55@60 ton for imported and domestic \$64@65 ton, works.

**Bleaching Powder**—Nothing new is reported in the price situation. Large consumers are showing interest in contract prices but it is unlikely that makers will recede from their present prices, though they represent a considerable advance over prices at which many consumers received supplies this year. Delay in announcement is expected until after the election. Prices holding firm at \$1.90 for carlots of large drums at works.

**Copper Sulfate**—A fair volume of business is reported for industrial consumption. Makers' prices are steady with carlots named at \$4.60 and smaller quantities up to \$4.90. Imported held at \$4.40@4.50.

**Carbon Tetrachloride**—Sales going through at 6 $\frac{1}{2}$ c@7c lb. according to quantity.

**Copperas**—Competition is still keen with imported material but makers are not making further concessions and hold bulk at \$15 ton works; bags \$18 ton, and barrels, \$20 ton.

**Glauber's Salt**—Improved consumption and prices firm at \$1.25@1.50 as to quantity.

**Potash, Caustic**—Formation of an export selling association in Germany has strengthened potash products. Shipment prices are now named at 7 $\frac{1}{4}$ c lb. Spot prices have advanced to 7 $\frac{1}{2}$ c lb. for carlots and up to 7 $\frac{1}{2}$ c lb. for small lots. Imports at New York last week were 1,132 drums. Domestic material held at 7 $\frac{1}{2}$ c lb., works.

**Potassium Carbonate**—Prices have not yet been affected but the outlook is for a stronger market. The 80-85% hydrated and calcined held at 5 $\frac{1}{4}$ c@5 $\frac{1}{2}$ c lb.; 96-98%, calcined, 5 $\frac{3}{4}$ c@6c lb.; 99%, 6 $\frac{1}{4}$ c@7c lb.

**Potassium Chlorate**—Moving well with imported held at 6 $\frac{1}{2}$ c@7c lb. as to seller and quantity for the imported powdered. Domestic quoted 8c@8 $\frac{1}{2}$ c lb.

**Potassium Permanganate**—The domestic material has been reduced to 12 $\frac{1}{4}$ c@12 $\frac{1}{2}$ c lb. for technical and U.S.P. to 12 $\frac{3}{4}$ c@13c lb., f.o.b. works. Imported has been easy with sales reported at 13c@13 $\frac{1}{2}$ c lb., spot.

**Potassium Prussiate**—Quiet with occasional sales at 17 $\frac{1}{2}$ c@18c lb. for the yellow. Red is firm at 38c@40c lb.

**Soda Ash**—With consuming industries showing increased activity shipments have been showing steady gains. Nothing has been given out on next year's contract prices and it appears likely that announcement will be delayed until after the national election. Present quotations for 58%, light, in carlots at works on contract: \$1.25 in bulk, \$1.38 in bags, and \$1.63 in barrels. Spot business in 1/c/1 quantities, \$2.04@2.19 in bags, delivered, and \$2.29@2.44 in barrels.

**Soda Caustic**—Makers report gains in shipments as Fall consumption gets under way. Contract prices for 1925 will soon be announced and makers will then be busy booking contracts. Present contract deliveries are being made on the basis of \$3.10 for carlots of solid 76% at works. Ground and flake, \$3.50. Spot, works, 10c higher. L/c/l quantities on spot delivered at \$3.76 @ \$3.91 for solid and \$4.16 @ \$4.31 for ground and flake.

**Sodium Acetate**—Supplies are not too heavy and prices are firmer at 4 7/8c @ 5 1/4c lb. according to quantity.

**Sodium Fluoride**—Sales going through at 8 1/2c lb. for imported.

**Sodium Nitrite**—Decidedly stronger with imported holding at higher prices of 9 1/4c @ 9 1/2c lb. for German and Norwegian material.

**Sodium Prussiate**—Spot sales are being made at 9 1/4c @ 9 1/2c for the imported and 9 1/4c lb. for domestic. Sellers are quoting on contracts for next year and down to 8 7/8c lb. is heard for imported, duty paid.

#### Metals

Antimony continues strong with sales at 11 1/4c lb. Copper held steady during the week at 12 7/8c @ 13c lb. for electrolytic. Lead is steady and unchanged, 8c lb., New York. Zinc has advanced slightly to 6.57 1/2c lb. Tin advanced 1c lb. during the week to 49 3/4c lb. for Straits.

The Chemical Warfare Service, Edgewood Arsenal, Md., will take bids until Oct. 20, for a quantity of chemicals, as follows: 20 lbs. bauxite; 20 lbs. cryolite; 50 lbs. ferric ammonium sulfate; 20 lbs. china clay; 25 lbs. sodium perchlorate; 50 lbs. sodium thiosulfate; 5 lbs. ammonium fluoride; 50 lbs. magnesium arsenite; 20 lbs. fuller's earth; 5 lbs. sodium phosphate; 50 lbs. ferrous sulfide; 10 lbs. sodium chlorate; 5 lbs. calcium chromate; 10 lbs. aniline oil; 150 lbs. sodium hydroxide; 350 lbs. nitric acid; 480 lbs. hydrofluoric acid; 1,000 lbs. chloride of lime; 50 lbs. zinc metal; and 50 lbs. gas black, all as specified in Proposal 24.

The section of the Ohio insecticide law which requires the yearly payment of a license fee of \$20 for the privilege of selling insecticides for household use or on plants, has been nullified by court action. The Ohio Department of Agriculture has been enjoined from collecting the fee, although it is still necessary to make a registration of the insecticide, application to be made to the Secretary of Agriculture, Columbus, O.

The equity suit of General Chemical Co. against Aluminum Company of America charging the Aluminum company with infringement of a patent for improvement in the manufacture of hydrofluoric acid has been dismissed by Judge Schoonmaker, of the U. S. District Court, Pittsburgh. The court finds that the process used by Aluminum Company of America does not infringe the General Chemical Co.'s patent.

The Bureau of Supplies and Accounts, Navy Department, Washington, D. C., will receive bids until Nov. 4 for 12,000 lbs. magnesia asbestos plaster; 4,200 sq. ft. magnesia blocks; 15,700 lbs. asbestos millboard; miscellaneous magnesia pipe covering; 3,500 lbs. asbestos paper, etc., all as specified in Schedule 2768.

The American Section of the Societe de Chimie Industrielle held its annual meeting Friday evening, Oct. 10, at the Chemists' Club, New York. Dr. Charles H. Herty, president of Synthetic Organic Chemical Manufacturers Association, spoke on the "American Chemical Industry and the Dawes Plan."

## The Editor's Correspondence

### Handle Containers Same as Goods

Editor, DRUG & CHEMICAL MARKETS:

The writer has been associated with merchandising chemicals for the past twenty-two years, and realizes the knotty entanglements the container problem has presented to the seller as well as the buyer. But believing that someone must take the initiative to put this problem on an equitable basis for all, he earnestly requests the trade adopt a standard which in his humble belief will bring relief to all concerned, namely, that returned containers are immediately billed back to original party on return of same, and that the original seller handle the invoice as he would any other merchandise purchase, remitting to customers the same as customers pay, i.e. ten or thirty days, thus relieving him of sending credit memorandums which only too frequently tie up capital which could be reinvested to far greater profit.

It has been the writer's experience to have had credit memorandums for empty containers in his files for from six to eight months before asking the seller to remit to him his check, and he believes this is also the case of many other buyers, and if the above is followed by all this condition will be automatically relieved.

Trusting that you will bring this matter before the trade through your excellent paper, we are,

B. M. SPENCER & Co.

by B. M. Spencer

New York, Sept. 28, 1924.

### JULY METHANOL OUTPUT 404,132 GALS.

July production of acetate of lime, according to the Department of Commerce, totaled 7,629,870 pounds and methanol 404,132 gallons. Production figures for the first seven months of 1924 were as follows:

#### —Production—

Month 1924	Acetate of Lime (in lbs.)	Methanol (in gals.)
January .....	13,420,193	705,747
February .....	13,172,610	690,403
March .....	14,107,411	741,505
April .....	12,650,393	698,126
May .....	11,538,625	623,107
June .....	9,396,138	492,902
July .....	7,629,870	404,132

### BELGIUM CHEMICAL PRICES FLUCTUATE

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Antwerp, Belgium, Oct. 1.—The following products are firmer: Bromide of potash, £92; fusel oil, £145; pyridine basis, 24 shillings per American gallon; lactic casein, £48; Magnesia chloride, £3 15 shillings.

Declines have occurred in the following (prices are reduced to pound sterling per metric ton): Oxalic acid, £25; lactic acid, 50% vol., £26; formic acid, 85%, £39; tartaric acid, 99/100%, £95; carbolic acid ice crystals, £65; yellow prussiate of soda, £36; yellow prussiate of potash, £59; red prussiate of potash, £140; barium chloride powder, £9 15 shillings; barium carbonate precipitated white powder, £9; cream of tartar, 99/100%, £85; arsenic white powder, 99/100%, £45; permanganate of potash, 99/100%, £39.

Baird & McGuire, Holbrook, Mass., have opened a new plant at Baden Station, St. Louis. Coal-tar disinfectants and dips, cresylic acid, cresol compounds, creosote oils, and liquid insecticides will be manufactured for the wholesale distributing trade in the Middle West. The plant will be under the direction of James Varley. The company will continue to operate the plant at Holbrook. Eastern and western plants produce the same materials.

## The Intermediate and Dye Market

Current Spot Quotations for Intermediates, see Chemicals, 1178

### MANUFACTURERS MEET PHENOL DEMANDS

Recent Steadiness of Market Due to More Regular Supply—Benzol Supplies Still Scarce—Sales More General at Higher Levels—Pyridine Scarce but Demand Quiet—Solvent Naphtha Tending Easier—Intermediates Showing Improvement

#### PRICE CHANGES IN NEW YORK (Stocks in First Hands)

	Advanced		Declined		No Advances	
	Today	Last	Today	Last	Today	Last
Trend of the Market						
Cresylic Acid, 5c gal.						
Benzene, pure .....	gal. \$2.25	1/2 \$2.25	1/2 \$2.25	1/2 \$2.25	1/2 \$2.25	1/2 \$2.25
Naphthalene, flake .....	lb. .06	.06	.05	.07	.16	.03
Phenol, Spot .....	gal. .25	.25	.25	.26	1.50	.08
Toluene .....	gal. .26	.26	.26	.25	..	..
Aniline Oil .....	lb. .16	.16	.16	.16	1.40	.10
Alpha-naphthylamine .....	lb. .35	.35	.35	.35	1.28	..
Benzaldehyde .....	lb. .70	.70	.70	.75	..	..
Betanaphthol .....	lb. .26	.26	.26	.21	1.50	.08
Dimethylaniline .....	lb. .35	.35	.35	.40	1.30	..
Paranitroaniline .....	lb. .68	.68	.68	.73	1.58	.18
Average .....	0.331	0.331	0.331	3.42	..	..

Steadiness has been a noticeable feature in the market for intermediates and other coal tar derivatives. While there is competition in this field among manufacturers and sellers, prices have evidently reached the lowest point at which it is possible to do business without a loss and any further concessions would simply upset the market and would bring no increase in volume of business. Stocks are of small proportion in both manufacturers' and consumers' hands and this also tends to keep the prices firm and steady. When business opens up, however, a strengthening of prices and slightly higher values may be expected. In the benzol market prices at present are abnormal owing to the shortage due to the lack of production. Under normal conditions, with gasoline at present levels, benzene would be considerably under the present market. With the entrance of a number of manufacturers in the production of phenol the speculative element which was the cause of a fluctuating market for some time, prices have steadied as consumers found a steady source of supply. Stocks are not very large however, and any large increase in demand would no doubt see higher prices. Improvement is reported in the call for dye intermediates. September imports of foreign colors have increased about 100 per cent over those of August.

#### Crudes

**Benzene**—The situation in this crude has not changed materially during the week. If anything, supplies are even more difficult to obtain, especially for prompt shipment from works. Regular buyers are being taken care of first and in a fairly satisfactory way under the conditions. The irregular ones, however, are encountering some difficulty in locating sellers who can make prompt deliveries. Production has shown no visible increase though steel mills are gradually expanding and soon will be calling for coke. When this happens benzol production will increase and the shortage will soon be ended. Sales are going through at 25c and 26c gal. for pure in tanks and 30c in drums at mills; 90 per cent 23c in tanks and 28c in drums.

INDUSTRIAL CHEMICAL SECTION

**Cresylic Acid**—No important demand is taking place and sales are mainly of small quantities for routine consumption. Sellers are quoting lower prices for pale acid at 60c@65c gal. for small lots; dark acid named at 55c @60c gal.

**Naphthalene**—The market continues quiet with practically no interest being displayed. Occasional small sales are recorded but recent buying has been of small importance. The flake is held at 5c lb. though 4 1/2c lb. is intimated on any sizable order. Balls, 5 1/4c lb.; Chipped, 4 1/2c lb.

**Phenol**—Manufacturers are taking care of the current demand but production is slightly behind orders on some quarters. Stocks are somewhat limited and any increased demand would no doubt be reflected in higher prices. Makers are holding prices steady at 25c@26c lb. according to quantity in destructible drums and 24c in large drums.

**Pyridine**—Supplies are rather limited on spot but demand has been slow and the price situation has shown little change. Sellers are quoting \$4.25, spot, and about 10c lower for shipment.

**Solvent Naphtha**—In contrast to the benzol market, this item is easy. Sales have been reported down to 22c gal. in tanks while quotations are named up to 25c. Drums are 5c higher.

**Toluene**—While demand is not large, sufficient orders are coming in to cause concern about delivery owing to the present shortage in light oil distillates. Sellers are naming 26c in drums, works, and 31c in drums.

#### Intermediates

**Acid Broenner's**—Occasional sales with makers quoting \$1.25 lb.

**Acid Cleve's**—Slight improvement in sales reported. Prices steady at \$1.00@1.10 lb., according to quantity.

**Acid Gamma**—Routine demand for moderate quantities at \$1.45@1.50 lb.

**Acid H**—Fair volume of business reported at unchanged prices. Makers quoting 72c@75c lb. as to quantity.

**Acid Salicylic**—Quiet and unchanged, 32c@33c lb. for technical.

**Alpha-naphthylamine**—Little activity and prices firm, 35c@37c lb.

**Aniline Oil**—Buying continues active. Makers are holding firm at 16c@17c lb. as to quantity in drums. Aniline salt moving well at 20c@24c lb.

**Benzaldehyde**—Occasional sales with technical held at 70c lb.

**Benzidine**—More interest being displayed in this item and sales have picked up. Held at 78c@80c lb. as to sellers.

**Beta-naphthol**—Buying is confined to moderate quantities and none too active. Makers quoting 24c@26c lb. according to quantity.

**Dimethylaniline**—Firm due to strengthening of alcohol. Moving at 35c@37c lb. as to seller and quantity.

**Meta-toluylenediamine**—Fair demand at this season with makers holding prices at 85c@88c lb.

**Nitro-benzene**—Moving steadily at 9c@9 1/2c lb. for the crude and 9 1/2c@10c lb. for the redistilled.

**Ortho-nitrotoluene**—Supplies have become scarce owing to increased consumption in motor fuel. Makers holding firm at 9c@10c lb.

**Ortho-toluidine**—Demand for oil flotation purposes and smaller supply available keeping prices firm at 14c@15c lb.

**Para-nitraniline**—Quiet demand at present with prices holding at 68c@70c lb.

**Para-phenylenediamine**—In good demand for fur dyeing at present. Makers quoting \$1.30@\$1.35 lb.

**Para-toluidine**—Easy owing to increased production and little demand. Quoted at 75c lb.

# BRITISH VETO GERMAN DYE PACT

Sidney Webb, president of the British Board of Trade, announces that the British Government has vetoed the proposed agreement between British Dyestuffs Corp. and the Interessen Gemeinschaft, the German Dye Cartel, according to a wireless despatch from London to the "Daily News Record," New York.

The British Government has a financial interest in British Dyestuffs Corp., which was organized to develop and make independent the British dye industry. The proposed agreement provided for exports by the Germans to the British industry, and the establishment of trading boundaries between the two countries. It has aroused much opposition in England and France.

In a report on the market for dyes in Syria, Vice-Consul J. H. Keeley, Jr., Damascus, writes to the Bureau of Foreign and Domestic Commerce, Washington, that the imports amount to about \$200,000 annually. Indigo constitutes the great bulk of the requirements; acid dyes and color lakes constitute about 15 per cent of the domestic needs, and direct, basic, mordant, chrome and alizarin dyes are used to a lesser extent. In addition, a relatively small quantity (\$2,200 in value) of sulfur dyes is absorbed in the Syrian market.

The German Dye Cartel has closed an agreement with a German-Russian trading company at Moscow, for dye shipments to the Soviet Republic. The consignment will total 2,000,000 kilos of aniline dyestuffs yearly, worth 30,000,000 Swiss francs.

At the meeting of the Philadelphia Section of the American Association of Textile Chemists and Colorists, held on Oct. 10, Jacob Knapp, president of Hellwig Silk Dyeing Co., Philadelphia, spoke on the subject "Weighting and Dyeing of Skein Silk."

The Foreign Trade Bureau, Philadelphia Commercial Museum, Philadelphia, has received an inquiry (42709) Basel, Switzerland, for refined ozokerite; also for anhydrous naphthalene, to be delivered re-sublimated and fused.

# GERMAN PAPER SLURS AMERICAN DYES

The "Berliner Tageblatt" of Aug. 30 says that the reduction on Sept. 22 of the American customs duty on German dyes puts the American dyestuffs industry to a test that it has not been confronted with in the ten years of its existence. It is conceded, says the "Tageblatt," that American dyes are inferior in quality to German dyes, and that the American textile industry prefers German dyes, because they are more color-fast than American. It further states, in order to prevent the German dyestuffs industry from partly recovering its pre-war market in the United States, the sales organization of American plants has been somewhat reorganized in the past few weeks, and at the same time, hundreds of trade-marks have been registered, in which the implication as to the color-fastness of the dyes has been made, as for instance, "permafast," "dyefast," etc. The "Tageblatt" believes that while it is probable that imports of German dyes into the United States will increase in the near future, there should be no fears of danger to the American dyes industry, as American manufacturers have already shown their ability to survive competition.

Italian demand for dyestuffs amounts to about 7,000 tons per year. Of this amount 2,500 tons is for sulfur colors of which 2,000 tons are supplied by local factories; 3,500 tons of azo colors are required most of which are made in Italy; 500 tons of indigo and 700 tons of other vat colors are imported. At present Italy is able to meet all her own demand for sulfur black and sulfur green and almost the whole of the demand for sulfur browns and blues. In 1922 Italy produced 3,850 tons of sulfur colors and 1,056 tons of other organic colors as compared with 994 tons of sulfur colors in 1918 and 7 tons of other colors.

The dyestuff department of Grasselli Chemical Co., Ltd., and Atteaux Dyestuff and Chemical Co., Ltd., Toronto, have been consolidated to form the Grasselli Dyestuff Co., Ltd., with offices at 41 Colborne st., Toronto. The new company is sole agent and distributor in Canada for Farbenfabriken vorm. Frieder. Bayer Co., Leverkusen, Germany; Grasselli Dyestuff Corp., New York, and the Essex Aniline Works, Inc., Boston.

Arrivals of synthetic indigo at Shanghai between July 1 and Aug. 15 totaled 62,000 piculs (one picul 133.33 lbs.). Owing to the war prices are weakening. German brands are quoted at 40 to 50 taels per picul. Stocks are large, according to Trade Commissioner G. C. Howard, Shanghai, China.

The Domestic and Foreign Commerce Department, Chicago Association of Commerce, Chicago, has received an inquiry (4095), from Swatow, China, for dyes.

# SEPTEMBER DYE IMPORTS

(Continued from page 1150)

Benzyl butyrate—c—France .....	11	Musk ambrette residue—nc—Switzerland .....	2	Epine—c—England .....	(185 cc)
Benzyl propionate—c—Holland .....	10	Musk ambrette—nc—SwitzTd, Holland .....	1,271	Epine hydrochloride—c—England .....	
Benzophenone—nc—Holland .....	20	Musk ketone—nc—Holland, Switzerland .....	265	Fast scarlet salt R—nc—Canada .....	35
Cinnamic acid—c—France .....	50	Musk PC—nc—Switzerland .....	500	Fluorescein, ophthalmic—c—England .....	
Cinnamic aldehyde—c—Holland .....	50	Musk xylene—nc—Holland, Switzerland .....	562	Guaiacol carbonate—Switzerland .....	112
Coumarin—c—Switzerland .....	11	Musk xylene residue—nc—Switzerland .....	1	Homatropine hydrobromide—c—England .....	
Cumaric aldehyde—nc—France .....	15	Phenylacetaldehyde—c—Holland .....	20	Homatropine hydrochloride—c—England .....	
Cyclohexanol acetate—nc—France .....	11	Phenylethyl alcohol—c—Switzerland, .....	77	Naphthol R—Switzerland .....	22
Dimethyl hydroquinone—nc—France .....	1	Holland .....		Phenol crystals—c—Great Britain .....	39,646
Geranyl phenyl acetate—c—Switzerland .....	1 oz.	Aminopyrazolon—Germany .....	2,000	Phenol refined—Germany .....	55
Heliotropine crystals—c—Holland, .....	66	Anthrapyridon—Germany .....	128	Phenyldimethylpyrazolon—Switzerland .....	110
Switzerland .....		Anthraquin—Germany .....	289	Physostigmine salicylate—c—England .....	
Hyacinth compound—c—Holland .....	10 oz.	Beta-naphthol compound—c—England .....	100	Potassium sulfoguaicolate—nc— .....	5,512
Indol—nc—France .....	11	Brenthol AS pdr.—England .....	100	Switzerland .....	
Iacinthe—c—France .....	11	Brenthol H paste—England .....	50	Protectol 1—Germany .....	5,000
Methyl anthranilate—c—Switzerland, .....	335	Caffeine sodium benzoate—c—England, .....	100	Protectol 11—Germany .....	10,000
Holland .....		Chloroaminophenol sulfonic acid— .....	481	Rodinol—Germany .....	93
Methyl benzoate—c—Switzerland .....	11	Germany .....		Salol—c—England .....	
Methyl phenyl acetate—c—Switzerland, .....	43	o-Cresol—c—Germany, Great Britain .....	11,446	Setacyl salt A—Switzerland .....	110
France .....		Diazodiphenylether—Switzerland .....	66	Sodium salicylate—c—France .....	2
		Dihydroxyanthraquinone 1:8—nc— .....	222	Toluidine, ortho—Germany .....	5
		Germany .....		Toluolsulfodichloramine—nc—Germany .....	50
		Diphenyl black base—Holland .....	100	Tricresol—Germany .....	10
		Dissolving salt B—Germany .....	500	Xylene, meta—Germany .....	8 oz.
				Yellow developer C—Switzerland .....	440

## The Oil Market

Current Spot Quotations of Oils, Tallows, Greases, page 1195

### CRUSHERS ADVANCE LINSEED OIL FUTURES

Scarcity of Spot Stocks and High Seed Prices Account for Higher Prices—Chinawood Oil Unsettled in Speculative Market—Corn Oil Strong—Cottonseed Oil Easier—Palm Oil Higher—Animal Oils and Tallow Strong—Fish Oils Firm—Turpentine Lower

#### PRICE CHANGES IN NEW YORK (Stocks in First Hands)

##### Advanced

Coconut Oil, 1/4c lb.	Palm Oil, 1/4c lb.
Corn Oil, crude, 1/4c lb.	Rapeseed Oil, 2c gal.
Corn Oil, ref., 1/4c lb.	Sesame Oil, ref., 1/4c lb.
Grease, white, 1/4c lb.	Stearine Oleo, 1/4c lb.
Neatsfoot Oil, 1/2c@1c lb.	Linseed Oil, fut., 3c gal.
Oleo Oil, 1/2c@1c lb.	Linseed Oil, Spot, 2c gal.

##### Declined

Chinawood Oil, spot, 1/4c lb.	Cottonseed Oil, P. S. Y., 1/2c lb.
Cottonseed Oil, crude, 1c lb.	Turpentine, 2c gal.

#### Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre. War
Cod Oil, N. F.....gal.	\$ .62	\$ .63	\$ .59	\$ .68	\$ 1.26	\$ .26 1/2
Degras, American, bbl..lb.	.04 1/4	.04 1/4	.04 1/4	.03 1/4	.23	.03 1/4
Lard No. 1.....gal.	.92	.92	.88	.79	2.90	.92
Menhaden, crd. bbls..gal.	.52 1/4	.52 1/4	.50	.50	1.20	.33
Neatsfoot, 20 deg. c.t..gal.	1.31	1.28	1.45	1.24	3.45	.95
Red Oil, distilled.....lb.	.09 1/2	.09 1/2	.09 1/2	.09 1/2	.17	.07
Stearic Acid, T. P.....lb.	.13	.13	.13 1/2	.14 1/2	.33	.12
Coconut, Ceylon, bbls..lb.	.10 1/2	.10 1/2	.10 1/2	.10	.90	.14
Cottonseed, crude, tks..lb.	.08 1/2	.08 1/2	.08 1/2	.09	.25	.08
Linseed, crude.....gal.	1.03	1.01	1.02	.95	1.85	.57
Olive, denatured.....gal.	1.25	1.25	1.25	1.10	4.50	1.05
Peanut, refined.....lb.	.17	.17	.17	.15 1/2	.30	.08
Soya Bean, bbls.....lb.	.13	.13	.12 3/4	.11	.19 1/2	.07
Average .....	0.492	0.491	0.496	0.467	1.30	0.362

The upward tendency in the market for miscellaneous oils, fats and greases continued during the week with numerous advances being recorded. While a number of items have been fluctuating owing to speculative operations, a growing scarcity in other items has been felt and prices are reacting with supply and demand. Demand has not been especially active but sufficient under the circumstances to keep the market strong. A feature of the market has been the rise in flaxseed during the past few weeks. As a result linseed oil, which has been decidedly scarce for prompt delivery, has moved up again. Chinawood oil, on the other hand, has been subject to speculative operations and competition which have weakened the market temporarily at least. Cottonseed oil has reacted with crude and yellow down considerably. Palm oil is a strong item owing to limited supplies. Olive oil is also scarce and the market is strong. With tallow strong and lard scarce, animal oils are on the up grade. Fish oils continue in limited supply and firm at recent levels. Rosin continues strong while turpentine is easier.

#### Vegetable Oils

**Castor Oil**—The strong seed position is keeping oil firm. No. 1 held at 17c lb. and No. 3, 16 1/2c lb.

**Chinawood Oil**—While the oil has weakened owing to speculative operations among dealers the market may change suddenly at any moment. The situation in China has not changed and shipment prices continue high. Spot quoted from 16 1/4c@16 1/2c lb. in barrels; tanks, Nov. arrival, N.Y., 15 1/4c lb.; Coast, tanks, Oct. forward, 15 1/4c@15 1/2c lb.

**Coconut Oil**—Buyers have been showing more interest in the market and with better demand prices have

strengthened. Ceylon in bbls., spot, 10 1/2c lb. and in tanks, 9 1/4c lb. Cochiti is higher, 9 3/4c lb. in tanks, spot, and 11c@11 1/4c lb., bbls.; Manila, spot, 9 1/2c@9 3/4c lb. and at Coast, 9c lb.

**Corn Oil**—With the corn market higher and lard and cottonseed oil at higher levels, corn oil has advanced to 10 1/2c lb. for crude at mills; refined higher at 13 1/4c lb.

**Cottonseed Oil**—Heaviness has characterized this market since the cotton report of 12,449,000 bales and selling pressure have carried prices down. Crude is down to 8 3/4c@8 7/8c lb. bid. P.S.Y. sales are at lower levels of 10 1/2c@11c lb. Refined is holding at 13c lb.

**Linseed Oil**—Crushers have advanced prices for future positions. Spot supplies are very scarce. In the Northwest flaxseed prices continued their upward movement. Spot oil held at \$1.01 and Oct., \$1.00 gal. in carlots. Nov. quoted 98c and Dec.-April, 97c for carlots. London linseed oil has advanced 45/6. Antwerp, 18f higher at 405f. Winnipeg flaxseed higher at \$2.43 for Oct.; Nov. \$2.34; Dec., \$2.30. Duluth, Oct., \$2.48; Nov., \$2.46; Dec., \$2.41; May, \$2.48. Buenos Aires, higher, \$2.18 bu.

**Olive Oil**—The situation in denatured oil is decidedly strong. Spot supplies are small and sales have been made above \$1.25 and some are asking \$1.30 as to quality. Olive oil foots are a trifle easier on spot owing to slower demand. Sellers quote 9 1/4c@9 1/2c lb. Shipment prices firm, 9 1/2c@9 3/4c lb. Sales of next season crop of foots have been made at 8 3/4c lb.

**Palm Oil**—Supplies have become short in the spot market and holders are asking higher prices. Lagos held at 8 1/2c@9c lb. and Niger, 8 3/4c@8 1/2c lb.

**Rapeseed Oil**—Another oil which has become scarce on spot and little available for the near future. Sellers higher at 93c@94c gal.

**Sesame Oil**—Stronger and higher with sales at 13 1/2c lb.

#### Animal Oils

**Greases**—White grease is higher and 13 1/2c@14c lb. Yellow, firm, 7 3/4c@8c lb.; brown, 7 1/2c lb. and house, 7 3/4c lb.

**Lard Oil**—Firmly held at recent higher levels. Edible prime, 18 1/2c lb.; extra, 14 1/4c lb.; No. 1, 12 1/4c lb.

**Neatsfoot Oil**—Following the advance in better grades, the lower grades have also been raised. Cold pressed oil, 17 1/2c lb.; pure, 15 1/2c lb.; extra, 12 1/2c lb.; No. 1, 12 1/4c lb.

**Oleo Oil**—Producers have advanced their ideas and are now quoting No. 1, 20 1/4c@20 1/2c lb.; No. 2, 16 1/2c@17c lb.; No. 3, 14 1/2c lb.

**Red Oil**—Firmly held owing to the strength in the position of raw material. Distilled and saponified held at 9 1/4c@9 1/2c lb.

**Stearic Acid**—Continues firm owing to the high tallow and grease market. Single pressed, 10 1/2c@11c lb.; double pressed, 11c@11 1/2c lb.; triple pressed, 12 1/2c@13c lb.

**Tallow**—Market continues firm with melters asking 9c lb. and sales at 8 7/8c lb. for the extra loose.

**Tallow Oil**—Firmly held at 11c lb. for acidless in tanks and 12 1/2c lb. in carloads, spot.

## Fish Oils

**Cod Oil**—Reports of small catches have been arriving from Newfoundland and Norway and prices have had a stronger tone. Spot oil in tanks quoted at 55c@57c gal.; bbls., 62c@65c gal.

**Menhaden Oil**—Fishing in the Northern and Chesapeake waters is practically finished. Oil producers have little oil to offer and are firm in asking 52½c@55c gal. for crude at the works. Refined oils are firm and tending upward with crude at higher prices. Light strained quoted, 68c@70c in barrels; yellow bleached, 71c@72c gal. and extra bleached, 73c@74c gal.

**Sperm Oil**—Moving occasionally with prices steady with 45° named at 84c gal., spot, and 86c@88c for 38° test.

## Naval Stores

**Turpentine**—The market failed to hold the advance of the previous week as both foreign and domestic demand slowed up. Savannah spirits named at 83c. New York prices dropped at 88c gal.

**Rosins**—Demand for rosins has been holding up and prices are firm for the lower grades while the better grades are higher. New York quotations: B to H, \$6.75; I, \$6.80; K, \$6.85; M, \$6.90; N, \$7.05; WG, \$7.85; WW, \$8.55.

Before five years artificial gasoline will be a competitor of the natural product, says Daniel Berthelot, French chemist and son of Marcellin Berthelot, who in 1866 made the first successful experiments in this direction. Daniel Berthelot is president of the government committee appointed two years ago to study carburants, and under his direction the sub-committee on synthetic gasoline has constructed at Creil a big laboratory which was opened this week and where experiments on an industrial scale will be carried out. At this laboratory all the results announced by independent scientists will be controlled, as well as all experiments and discoveries made in other countries; and new experiments also will be made.

In an answer to the complaint of the Federal Trade Commission against the Reliance Varnish Co., Louisville, Ky., Wm. M. Reed, Lamar D. Roy, and John E. Kuhn, directors of the Reliance company, stated that, in a few sporadic cases, B. G. Robertson, president of the company, had committed acts in violation of the principles of the commission, but the acts were mainly personal offences and that in no way was the corporation involved in the transactions.

A contract to supply all of the paint, varnish and lacquer requirements of Studebaker Corp. for the current year has been placed with Glidden Co., Cleveland, O. Orders on the books of the company are 25 per cent larger than a year ago, it is stated.

Proceedings of the National Paint, Oil and Varnish Association, at Atlantic City, during the week of Oct. 20, will be broadcasted from Station WHAR, operated by F. P. Cook's Sons, proprietors of the Seaside Hotel.

The Bureau of Supply, Treasury Department, Washington, D. C., is asking bids until Oct. 17 for 500 lbs. white lead; 100 lbs. white zinc; 50 gals. white enamel, and 5 gals. drier, as specified in Circular 1375.

The proposed increase in less than carload rating in the official classification on soap in pails or tubs has not yet been found justified by the Interstate Commerce Commission.

Chinawood oil exports from Hankow, China, in 1923 amounted to 18,356,320 gallons, valued at \$18,614,183, an increase of over a million gallons over 1922.

ISSUE NEW FIGURES ON OLIVE OIL  
(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., Oct. 15.—The total olive oil production for the Mediterranean Basin, this season, will amount to about 825,000 short tons, a crop considerably above the average, according to a cable to the Department of Agriculture from Consul Frost, Marseilles, France. Commercial estimates placed last year's production around 660,000 tons. Consul Frost's estimate includes revisions and additions to a previous estimate of Aug. 19, which gave the production for the more important countries as 650,000 short tons. The revised estimate for these countries is now 732,000 tons.

According to the latest figures, Italy will produce 275,000 short tons, a considerable increase over the earlier estimate of 176,000. The Spanish crop is estimated at 253,000 short tons, a decrease of 77,000 from the first estimate. Greece will produce 165,000 short tons compared with 110,000 tons previously reported. The Tunisian crop, which normally amounts to about 33,000 short tons, is estimated at 22,000 tons, the first estimate ranging from 20,000 to 28,000. Algeria is reported as producing a crop of 16,500 short tons, an increase of 5,500 over the first estimate.

Official estimates of the olive oil crops in Spain and Italy last year were 329,432 short tons and 198,822 short tons, respectively. The average production in Spain during the five years 1919 to 1923 amounted to 330,000 tons, while the average production in Italy during the same period amounted to 193,000 tons.

## TURPENTINE LOWER AT SAVANNAH

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Savannah, Ga., Oct. 14.—Turpentine closed the week steady at 80¾c following a steady decline from 84c, the price of a week ago. The situation is changing, however, with bids of 80½c being refused and a sale being registered at 81c. Dealers have been showing indifference, which, in view of the small receipts, has been unexpected. The market was further weakened by aloofness of foreign buyers. The slight turn at the close of the week may develop into increased strength on the basis of the higher Jacksonville market. Receipts for the week, 2,383 bbls.; sales, 1,261 bbls.; shipments, 772 bbls.; stock, 12,906 bbls. Rosins closed firm at prices which averaged higher than a week ago. Demand has been active with medium and common having the biggest following. The trade expects to see \$6.00 in these grades by the end of October. Receipts for the week, 9,050 bbls.; sales, 6,647 bbls.; shipments, 2,627 bbls.; stock, 106,366 bbls.

Jacksonville, Oct. 11.—Turpentine closed firm, 81½c, a decline of 2c from a week ago. A stronger tone is noted at the close with bids of 81½c being refused. Stocks, 30,049 bbls. Rosins closed firm with all offerings taken. Stock, 129,212 bbls.

French foreign trade in naval stores in 1923 amounted to exports of 91,311 metric quintals of turpentine and 3,853 metric quintals imported. Exports of rosin, pitch and other resinous products in 1923 totaled 512,635 metric quintals, and imports, 2,714 metric quintals.

The semi-annual sales conference of John Lucas & Co. was held at Hotel Pennsylvania on Saturday, Oct. 4. J. L. Gilmore, manager of the New York office, presided. Sales policies and advertising campaigns mapped out for 1925 were discussed.

Indian sesame acreage this year is reported to be 2,115,000 acres compared with 2,110,000 acres at this time last year. Present condition of the crop is reported fair.

## Chemicals for Consuming Industries

Heavy Chemicals, page 1180, Tan and Dyestuff, page 1197, Fatty Oils, page 1195

### BUYERS HESITATE ON CHEMICAL CONTRACT

**Although Many Manufacturers Have Quoted Prices for 1925 Chemicals, Consumers Are Waiting Till After Election—Promises of Business Improvement Next Year Not Enough to Warrant Heavy Raw Material Commitments**

Chemical manufacturers and importers are waiting for buyers to do something in the matter of 1925 contracts. Chemical buyers are waiting until after the American electorate express their opinion in the matter of the next president. Just what difference this will make to the leather, rubber, glass, and other lines of manufacture, is difficult to say, but nevertheless, the buyers are waiting, and the sellers, of necessity, must wait with them. Even very attractive figures for 1925 delivery of a number of the staples have not stirred up any marked activity. Demand for spot goods is steady, but not heavy. Business generally is improving, but not with the normal degree of expansion of the Fall season over the Summer period. Chemical consumers state that promises of business improvement for 1925 are not sufficient to warrant heavy future commitments. In the background, however, the market is faced with rising prices abroad, and admitted short stocks throughout the great majority of consuming industries in this country. All in all, chemicals at present prices, compared with other commodities, look like a safe purchase for 1925, irrespective of political possibilities.

### Agricultural Chemicals

#### Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre. War
Acid Sulfuric, 66° .....	\$14.00	\$14.00	\$14.00	\$15.00	\$15.00	\$20.00
Ammonium Sulfate, 100 lbs. ....	2.55	2.55	2.45	3.00	7.75	2.65
Arsenic .....	.06 1/4	.06 1/4	.07 1/4	.12	.18	.04
Copper Sulfate .....	4.60	4.60	4.60	5.00	20.00	4.50
Paris Green .....	.25	.25	.25	.29	.50	.11
Potash Muriate, 90% .....	31.10	31.10	31.10	35.55	475.00	39.57
Potash Sulfate, 90% .....	41.27	41.27	41.27	45.67	440.00	48.07
Phosphate Rock, 68% .....	2.25	2.25	2.25	3.25	11.00	3.00
Phosphate, Acid, 16% .....	8.75	8.75	8.25	8.00	21.00	15.00
Sodium Nitrate .....	2.40	2.40	2.45	2.45	5.00	1.90
Average .....	10.734	10.734	10.677	11.780	103.54	13.84

No important activity is taking place in fertilizers. The mixing season is on but the recent high prices in a few of the ammoniates have caused buyers to withdraw from

the market. Scarcity in fish scrap due to the small catches of fish this year has naturally forced prices up. Tankage is firmer. The rise in sterling exchange has strengthened the sodium nitrate market. Ammonium sulfate continues scarce.

#### Fertilizers

**Ammoniates**—Tankage has firmed up again after an easy spell. Ground material, spot, held at \$3.50 and 10 and high grade, Chicago, \$3.85; fish scrap continues scarce and firm with producers holding dried scrap at \$4.75@5.00 at works; acid scrap held at \$4.25, where available; dried blood is moving at \$3.75@4.00, New York, and \$3.90@4.10, Chicago; bone steamed, \$22@23 ton.

**Ammonium Sulfate**—Lack of supplies is holding up business in some directions. Owing to the reduced production stocks are very limited and contract deliveries are taking every available ton. Producers and sellers quoting \$2.55@2.60 according to quantity and delivery for bulk at works.

**Nitrate of Soda**—The rise in sterling exchange has been the feature of the week and has added a few cents to nitrate values. No important demand is taking place. Spot stocks are now held at \$2.42 and future deliveries up to \$2.45.

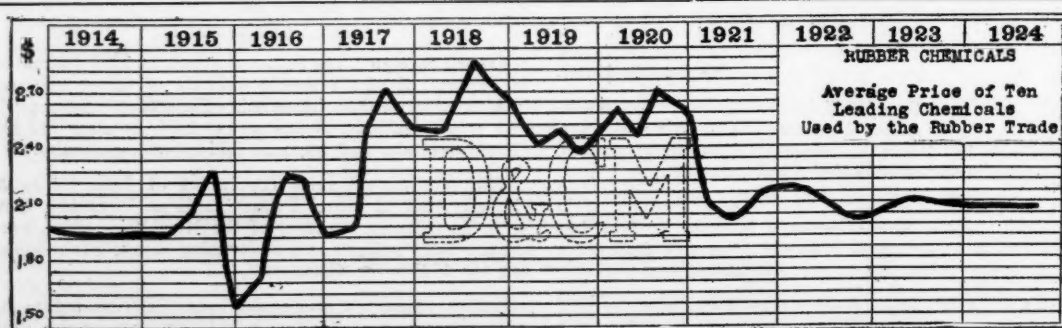
**Phosphate Acid**—Buying has been along improved lines and prices are firmly quoted at \$8.75 for guaranteed 16% material, and in some quarters higher. Low test material is available at slightly lower figures.

**Potash Salts**—Shipments are coming steadily on previously placed contracts. New business is reported satisfactory. Prices are steady for the remainder of the season. Muriate, 80% basis, \$34.55; sulfate, 90%, \$45.85 ton; manure salts, 30%, \$17.03 ton. Prices c.i.f. Atlantic and Gulf ports with discounts up to 10% for 500 ton lots.

#### Insecticides and Fungicides

**Arsenicals**—Calcium arsenate is out of the limelight of the chemical market for the present except for occasional references to the past season. Arsenic is weak with sales taking place at 6 1/4c@7c lb. for the occasional orders in the market.

**Copper Salts**—Sellers are beginning to make preparations for orders and business which are expected later on in copper sulfate. Activity is confined to industrial demand at present, which is reported fairly good.



Prices are holding at \$4.65 for domestic in carlot quantities and up to \$4.90 or small lots. Imported material named at \$4.40@\$.450. Copper carbonate held at 16c@17c lb. according to seller and quantity.

## Leather Chemicals

### Trend of the Market

Acid, Acetic, 28% .....	\$3.12	\$3.12	\$3.12	\$3.38	\$17.00	\$1.50
Acid, Formic, 90% .....	.12	.12	.13	.12	1.50 1/4	.07
Acid, Lactic, 22% dark....	.05	.05	.05	.04 1/4	.07	.02
Potassium Bichromate ....	.08 3/4	.08 3/4	.08 3/4	.09 1/4	.65	.06 3/4
Epsom Salt, tech. ....	1.70	1.70	1.70	1.75	3.75	1.00
Sodium Prussiate, Imp ..	.09 1/4	.09 1/4	.09 1/4	.13 3/4	1.25	.18
Soda Ash, 58% wks.....	1.38	1.38	1.38	1.45	4.10	.69
Sodium Bichromate .....	.06 3/4	.06 3/4	.07	.07 1/4	.45	.04 3/4
Sodium Hyposulfite, pea..	2.50	2.50	2.50	2.75	3.75	1.80
Sodium Sulfide, 60% wks..	.08 1/4	.08 1/4	.08 3/4	.04 1/4	10 1/4	.02 3/4
Average .....	.925	.925	.925	.989	3.267	.528

With consumers of leather products conservative in their purchases and sellers cautious in their operations, demand for leather and consequently leather chemicals and tanning materials is more or less routine. Business is better than it was during the Summer but is considered far from satisfactory. Prices are generally steady except in oils which continue strong.

**Acids**—Demand for mineral acids among the consumers of carboy and drum quantities is reported to have improved considerably. Sellers are firmer in their prices though no actual advances have taken place. Acetic acid is steady at \$3.12@\$.37 for 28% according to quantity in barrels; 56%, \$5.85@\$.6.10; glacial, \$11.01@\$.11.76; formic acid is moving at 11 1/2c@12c lb.; oxalic acid is tending easier, though still quoted 9 1/2c@10c lb.; lactic acid is moving steadily at 5c@5 1/2c lb. for 22% dark; 44%, dark, 10 1/2c@11c lb.

**Alkalis**—Interest is being shown in announcement of next year's prices which is expected soon. Makers report a steady increase in shipments. Contract prices for soda ash for the remainder of the year held at \$1.25 in bulk, \$1.38 in bags, and \$1.63 in barrels, carlots, of 58% light at works. L/c/l business around New York, \$2.04@\$.2.19 in bags, and \$2.29@\$.2.44 in barrels, delivered. Caustic soda, 76% solid, in carlots, works, held at \$3.10 on contract; ground and flake, \$3.60; 1/c/l deliveries around New York, \$3.76@\$.3.91 for solid, and \$4.16@\$.4.31 for ground and flake.

**Chemicals**—Routine demand for moderate quantities is noted. Bichromates are holding at 6 3/4c@7c lb. for the soda and 8 3/4c@9c lb. for potash; sal ammoniac steady at 6 1/4c@6 1/2c lb., spot; Epsom salt, imported, firm, \$1.40, and domestic, \$1.75; Glauber's salt at \$1.25@\$.1.50 for domestic; red arsenic held at 15c@15 1/2c lb.; formaldehyde firmer, 9c@9 1/2c lb.; potassium titanium oxalate, 25c@30c lb.; sodium hyposulfite, 2 1/2c@3c lb.; sodium sulfide, quiet, 2c@2 1/2c lb. for crystals, and 3c@3 1/2c lb. for solid; sodium prussiate, 9 1/2c@9 1/4c lb.

### Tanning Materials

Fairly active due to the expected Fall increase after Summer slowness; prices remain same but market is much firmer. Myrobalans steady after its slight decline of last week at \$46@\$.48 ton for J1; \$43@\$.45 ton for R1; \$34@\$.36 ton for J2; divi divi firm at \$42@\$.43 ton; wattle bark firm at \$37@\$.39 ton; sumac \$170@\$.175 ton; logwood extract 8c@9c lb.; gambier, 13c@15c lb.; common, 15c@16 1/2c lb.; chestnut, 1 1/4c@2c lb.; quebracho, 3c@3 1/2c lb.; sumac, 7c@8c lb.

**Oils**—Crushers have advanced linseed oil 3c gal, and now quote carlots \$1.03 and small lots \$1.06 gal. Cod-liver oil is firm at 62c@65c gal. in bbls.

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### COLORS SELECTED FOR SHOES

Selection of six shades for the shoe and leather trades for Spring was made Friday, Oct. 10, at a meeting of a joint committee representing shoe and leather and hosiery factors held at the offices of the Textile Color Card Association. In the colors are two grays, one sand and three tans. In connection with the choice of these colors Mrs. Margaret Hayden Rorke, director of the color organization, emphasized the fact that they are solely for the shoe and leather trades. There has been some misunderstanding that the colors to be selected would be for the hosiery as well as the shoe trade. She pointed out that the hosiery manufacturers will be guided entirely in the selection of their colors later on by the choice they co-operated in making yesterday, but the hosiery shades will not be limited to six colors. The National Boot and Shoe Manufacturers' Association and the National Shoe Retailers' Association will give their official support to the six colors chosen.

### Paper Chemicals

#### Trend of the Market


	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Aluminum Sulfate .....	\$2.40	\$2.40	\$2.40	\$2.40	\$5.50	\$1.50
Bleaching Powder .....	1.90	1.90	1.90	1.25	9.50	1.50
Casein .....	.10½	.10½	.10½	.15½	.28	.20
China Clay, Dom. ....	10.00	10.00	10.00	10.00	25.00	8.00
Chlorine c/l Cyl. ....	.05½	.05½	.05½	.04½	.60	.08
Salt Cake .....	19.00	19.00	19.00	21.00	80.00	11.00
Sodium Silicate, 40% .....	.80	.80	.80	.80	1.75	2.00
Soda Ash .....	1.35	1.35	1.35	1.45	4.10	.69
Sulfur .....	18.00	18.00	18.00	18.00	65.00	20.00
Rosin F grade .....	6.75	6.75	6.35	5.85	4.50	20.25
Average .....	6.00	6.00	5.960	6.414	13.30	5.50

With paper mills showing increased activity, demand for paper chemicals is showing a steady improvement. In some sections a hesitancy is reported among paper makers until after election has been settled. After that a clearer view of the future will tend to promote advance buying and expansion. Prices are generally steady in all products.

**Alkalis**—Interest is being shown in announcement of next year's prices which is expected soon. Makers report a steady increase in shipments. Contract prices for soda ash for the remainder of the year hold at \$1.25 in bulk, \$1.38 in bags, and \$1.63 in barrels, carlots, of 58% light at works. L/c/1 business around New York, \$2.04@2.19 in bags, and \$2.29@2.44 in barrels, delivered. Caustic soda, 76% solid, in carlots, works, held at \$3.10 on contract; ground and flake, \$3.60; 1/c/1 deliveries around New York, \$3.76@3.91 for solid, and \$4.16@4.31 for ground and flake.

**Bleaches**—With many consumers uncertain as to their procedure until after the national election, it is doubtful if prices for bleach and chlorine will be announced until November. It is felt, however, that present prices will remain in effect since they have held firm throughout the Summer. Stocks have also been well controlled this year and no large surplus is being held. Makers are holding bleaching powder at \$1.90 in carlots of drums at works. Liquid chlorine firm at 4½¢ in tanks, works; carlots of cylinders, 5¢@5½¢ lb.; less cars, 6½¢ lb.; ton lots and less, 7½¢ lb.

**Sizings**—Casein has been subject to shading on odd lots and prices have been quoted at 10¢ lb. though most sellers are inclined to hold at 10½¢ lb. Rosins have been in active demand and prices have advanced in the better grades. New York prices: B to H, \$6.75; I,




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Phosphate of Soda  
Epsom Salts  
Ammonium Phosphate  
Phosphoric and Formic Acids

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CAUSTIC SODA

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RUBBER MAKERS' LIME

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Owego, N. Y.

\$6.80; K, \$6.85; M, \$6.90; N, \$7.05; WG, \$7.85; WW, \$8.55.

### Rubber Chemicals

#### Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Antimony Sulfide Crim....	\$39	\$39	\$39	\$35	\$45	\$35
Carbon Bisulfide .....	.06	.06	.06	.06	.50	.10
Carbon Black .....	.09	.09	.12	.15	.30	.14
China Clay, Imp.....	16.00	16.00	16.00	16.00	20.00	14.00
Hexamethylene .....	.82½	.82½	.82½	.97	1.35	..
Iron Oxide, Span.....	.03	.03	.03½	.04	.04½	.05
Lithopone .....	.06½	.06½	.06½	.06	.08	.04
Sulfur .....	3.05	3.05	3.05	2.50	6.50	2.75
Whiting, Dom.....	14.00	14.00	14.00	18.00	30.00	11.00
Zinc Oxide, Amer.....	.08	.08	.08½	.07	.09½	.09
Average .....	3.458	3.458	3.464	3.820	5.931	..

Activity in whiting and barytes again featured the rubber chemical market during the week. Movement of other chemicals into consuming channels, while not large, has been along steady lines, and prices have tended to be firm from the sellers' point of view. Domestic producers appear to have the edge on imported material, because of the high replacement cost of chemicals abroad. Some active business has been reported in antimony sulfurette, and prices are firm owing to the strength of the raw material.

**Acid**—Acetic is steady at \$3.12@\$3.37 cwt. for 28 per cent; \$5.85@\$6.10 for 56 per cent; \$7.20@\$7.45 for 70 per cent; \$8.19@\$8.44 for 80 per cent, commercial; \$9.98@\$10.23 for 80 per cent, pure; and \$11.00@\$11.75 for glacial material.

**Accelerators**—Market for this group has been some-

what limited, although some active business has been reported in hexamethylene at 82½c@85c lb. spot as to quantity. Aniline oil is quoted at 16c@17c lb. works, and 17c@18c lb. spot as to quantity. Diphenylguanidine is steady at \$1.10@\$1.15 lb. spot as to seller and quantity. Litharge, 10½c@11c lb. spot. Quinoidine is in small demand at 40c lb. in drums. Thiocarbanilide, 27c @29c lb. spot.

**Colors and Compounding Materials**—A steady consumption has been reported during the past week. Antimony sulfurette is firm at 19c@24c lb. spot for golden, and 39c@50c lb. for crimson material. Blanc fixe is steady at 4c@4½c lb. f.o.b. New York. Carbon black is quiet at 5½c lb. works in c/l; 9c@10c lb. spot for ordinary; 10c@11c lb. for floated; and 9c@10c lb. for compressed material. Magnesium carbonate is lower at 6½c@7c lb. spot, and calcined at 4½c@5c lb. Talc quoted steady at \$14@\$15 ton works or \$25@\$26 ton ex-warehouse; French, \$40@\$45; and Italian, \$60@\$80 ton. White barytes is in active demand at \$29@\$34 ton for imported goods, and \$23@\$25 ton works for domestic. Imported whiting is scarce and active at \$18@\$19 ton spot, and domestic \$13@\$15 ton. Zinc oxide, 8½c@9c lb. spot.

**Mineral Rubber**—In fair demand at \$35@\$75 ton spot as to quality and seller.

**Solvents**—C.P. acetone is active and firm at 16c@17c lb. works in c/l. Pure benzene is firm at 25c gal. works in tanks, and 30c gal. in drums. Ninety per cent named at 23c gal. in tanks, and 28c gal. in drums. Carbon disulfide is in active demand at 6c@6½c lb. spot as to quantity. Carbon tetrachloride is in keen competition at 6½c@7c lb. spot as to quantity.

# HF & G

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**Sulfur**—In fair demand at \$3.05@\$3.30 cwt.; and superfine \$2.50@\$2.90 cwt. Sulfur chloride is in steady call at 6c@7c lb. spot for red, and 5c@6c lb. for yellow material as to quantity.

## Textile Chemicals

### Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre. War
Acid, Acetic, 28% .....	\$3.12	\$3.12	\$3.12	\$3.38	\$17.00	\$1.50
Acid Oxalic .....	.09½	.09½	.09½	.11¾	.70	.07½
Bleaching Powder .....	1.90	1.90	1.90	1.25	9.50	1.50
Copper Sulfate .....	4.60	4.60	4.60	5.00	20.00	4.50
Epsom Salt, U.S.P. ....	2.15	2.15	2.15	2.15	4.25	1.50
Glauber's Salt .....	1.25	1.25	1.20	1.30	2.50	.80
Potash, Caustic, Imp. ....	.07¾	.07	.06¾	.07¾	.87	.12
Soda Ash, 58% wks. ....	1.38	1.38	1.38	1.45	1.10	.60
Soda Caustic, 76% wks. ....	3.10	3.10	3.10	3.16½	9.50	1.80
Sodium Bichromate .....	.06¾	.06¾	.06¾	.07½	.45	.04¾
Average .....	1.778	1.778	1.778	1.808	4.890	1.42

Textile mills have shown increased activity during the past month or six weeks and consumption of dyes and textile chemicals has increased. No reflection of increased activity is seen in prices, however. Domestic products have been very steady. Imported sodium nitrite has advanced. Caustic potash is also stronger. Potassium permanganate is weak and lower. Egg albumen is scarce and higher.

**Acids**—Demand for mineral acids among the consumers of carboy and drum quantities is reported to have improved considerably. Sellers are firmer in their prices though no actual advances have taken place.

Acetic acid is steady at \$3.12@\$3.37 for 28% according to quantity in barrels; 56%, \$5.85@\$6.10; glacial, \$11.01 @\$11.76; formic acid is moving at 11½c@12c lb.; oxalic acid is tending easier, though still quoted 9½c@10c lb.; lactic acid is moving steadily at 5c@5½c lb. for 22% dark; 44%, dark, 10½c@11c lb.

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**Chemicals**—Except in one or two products, prices have been very steady. Imported ammonium chloride held at 6¼c@6½c lb., spot, and domestic, 7½c lb.; barium chloride, \$75 ton for imported, and \$80 for domestic, works; copper sulfate holding at \$4.75@\$4.90



# Aero Brand

## Yellow Prussiate of Soda Yellow Prussiate of Potash

A new method of production ensures the highest purity, in small crystals as well as large.

Raw materials, all of our own manufacture, and large production capacity, guarantee a dependable source of supply, at favorable prices.

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Henry W. Peabody & Co., 17 State St., New York	Cable Address: Blagdenite, London



on quiet demand; copperas, \$20 ton in barrels; Epsom salt, technical, \$1.40 for imported and \$1.75 for domestic; Glauber's salt, firm, \$1.25@1.50; hydrogen peroxide, 10c lb. for 25 volume and 36c@38c lb. for 100 volume; lead acetate, 14½c@15c lb.; potash, caustic, stronger at 7c@7¼c lb.; potassium bichromate, 8¾c@9c lb.; potassium chlorate, 6½c@7c lb. for powdered; potassium permanganate, 13c@13½c lb.; prussiates, 9¼c lb. for soda and 17½c@18 lb. for yellow potash; sodium sulfate, 3c@3¾c lb.; hydrosulfate, 24c lb.; sodium sulfide, crystals, 2c@2½c lb.

**Starches and Dextrines**—Prices continue at recent levels and a steady increase in business is evident due to the increased activity of the textile mills. Potato dextrine continues firm at 8c lb.; potato starch at 5½c @6c lb. with spot still scarce; white corn dextrine, \$4.52 @ \$4.62 cwt. in bags; yellow \$4.57@ \$4.67 cwt; tapioca dextrine 9c@9½c for 200 lb. bags; powdered corn starch, \$3.97@ \$4.07; pearl starch, \$3.87@ \$3.97.

#### JUTE MILLS INCREASING IN INDIA

Jute production is a monopoly of the northeast section of India, according to the Textile Division of the Department of Commerce. The United States is not only the third largest consumer of raw jute, but also purchases about two-thirds of all the gunny cloth manufactured in India. Although the crop yield has been practically static during the last twenty-five years there has been a very marked increase in the manufacture of jute during the period, the number of mills more than doubling from an average of 36 for the five years of the present century to 76 for 1920, according to Trade Association figures. During this period the looms increased from 16,000 to 41,000 and the spindleage from

334,000 to 856,000. Gunny bags also constitute another very important item of manufacture and export, the total shipments during 1923 totaling 402,766,253 bags. Australia was the most important outlet for this product, taking 78,080,900 bags, the United Kingdom second, taking 35,444,037, and the United States third with 33,113,500.

India had 333 cotton mills in 1923 with 7,927,938 spindles and 144,794 looms employing about 347,380 operatives daily, according to the Bombay Mill Owners' Association, and from the standpoint of the value of its production, the textile trade is the most important manufacturing industry in India, reports E. T. Pickard, chief, Textile Division of the Department of Commerce, in the special India issue of Commerce Reports.

Taunton Dye Works and Bleachery Co., of Taunton, Mass., has filed with the Massachusetts Commissioner of Corporations their annual financial statement for the year ended Jan. 28, 1924, as follows: Assets—Machinery, \$33,000; merchandise, \$45,928; notes receivable, \$16,671; accounts receivable, \$19,575; cash, \$27,698; prepaid items, \$1,115; total, \$143,987. Liabilities—Common stock, \$84,000; accounts payable, \$2,289; notes payable, \$35,000; reserves, \$10,736; accrued items, \$2,534; profit and loss, \$9,428; total, \$143,987.

A Philadelphia corporation to be known as Marion Dye Works is to apply for a charter to dye wool, silk and cotton fabrics. Taylor, Robey, Hoar & Nicholson, Stephen Girard building, Philadelphia, are the attorneys.

Potash Importing Corp. of America has issued booklets on "Better Cotton" and "Better Tobacco," profusely illustrated and descriptive of plant growth

## THE White Tar Aniline Corp.

56 VESEY STREET, NEW YORK

Works: Kearny, N. J.



# COLORS

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We supply a complete line of domestic and imported Aniline colors

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For Caustic and Carbonate of Potash

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Acids	Salt peter	Caustic Potash
Arsenic	Empty Drums	Nitrate of Soda
Pig Lead	Thomas Slag	Phosphate Rock
Soda Ash	Blue Vitriol	Carbonate of Potash
Castor Oil	Caustic Soda	Sodium Bicarbonate
Glycerine	Potash Salts	Sulphate of Ammonia
	Crude and Refined Sulphur	

Powder Manufacturers' Supplies and Fertilizer  
Materials of All Kinds

### FORD WITHDRAWS MUSCLE SHOALS BID

Henry Ford has withdrawn his bid for Muscle Shoals, he says in an interview in "Colliers Weekly," but will consider an offer from the Government. "Muscle Shoals," said Mr. Ford, "is not a live issue with us any longer. More than two years ago we made the best bid we knew how to make. No definite action has been taken on it. A simple affair of business which should have been decided by anyone within a week has become a complicated political affair. We are not in politics but we are in business. We do not intend to be drawn into politics."

The announcement by Mr. Ford was a surprise to Government officials. Senator Underwood, who was to lead the fight for the transfer of the plant to Mr. Ford, was amazed. By order of the Senate the subject was to have come up on the floor on the first day of the session and was not to have been displaced at any time except by unanimous consent. All during the Summer months those who favored turning over the plant to the Ford interests have been preparing for what had been expected to be a spectacular battle with the opponents of the plan.

### NO EXTRA DUTY ON GRAPE JUICE

According to a decision, upholding a claim of Mario P. Tribuno, of Philadelphia, grape sugar containing sufficient moisture to drip a syrup, which has been treated before importation to prevent it from producing alcohol if left to itself, is not within the description of the statute "capable of producing alcohol" (paragraph 806, Act of 1922) so as to subject it to the additional duty of \$5 per proof gallon imposed by the statute. The issue arose over a commodity invoiced as grape syrup. The appraiser reported that the merchandise consisted of grape juice concentrated, capable of producing 46½ per cent of alcohol. Duty was levied at 70 cents per gallon and, in addition, \$5 per proof gallon of alcohol on the assumption that 46½ per cent of alcohol could be produced therefrom. The claim of the importer that duty should have been levied at 70 cents per gallon was upheld.

### CAR LOADINGS ARE AGAIN HEAVY

In the face of three new records established during the previous week car loadings for the week ended Sept. 27 made five more new marks, showing that the seasonal swing of traffic is still on the upgrade. The total for the week was 1,087,447, according to the reports filed by the carriers with the car service division of the American Railway Association, this figure being the highest weekly total for the year. It was also the third highest week on record and only 10,046 cars below the record high, which was for the corresponding week last year, when 1,097,493 cars were loaded.

### WILL MAKE FURTHER LOANS TO GERMANY

Simultaneously with the announcement of the German loan offering of \$110,000,000 by the J. P. Morgan Co., a new corporation with an initial subscribed capital of \$10,000,000, to be known as American and Continental Corporation, has been formed, to make American capital available for the financing of the industries of Europe. The board of directors is composed of officers and directors of leading banks and industrial enterprises.

Lehigh University, Bethlehem, Pa., has organized a research department which will be known as "The Institute of Research of Lehigh University". Circular No. 1 of the Institute deals with organization and functions of the new department.

INDUSTRIAL CHEMICAL SECTION

## Of Interest in the Trade

Dr. B. T. Brooks has left the employ of Mathieson Alkali Co. and is now in private practice as consulting engineer.

American orders for German potash on the books of the German Potash Syndicate aggregated \$26,000,000 on Sept. 1.

Harshaw, Fuller & Goodwin, Cleveland, O., will erect two chemical factories, 51 by 164 feet and 28 by 46 feet, to cost \$40,000.

The Bureau of Supply, Treasury Department, Washington, D. C., will receive bids until Oct. 21 for 15 tons of sulfur, as per Circular 1444.

O. J. Shierholtz, formerly chemist with P. Robson Co., Oshawa, Ont., is now with Commercial Solvents Co., Peoria, Ill., as consulting chemist.

The assets of Rielly & Edwards Co., Baltimore, fertilizers, now in bankruptcy, have been purchased by Greenwald Packing Co. The assets include a mixer.

Philadelphia Quartz Co. has issued its October number on the uses of silicate of soda and describes its use in connection with bleaching of textile fibres.

The Navy Purchasing Office, South and Whitehall sts., New York, N. Y., has been authorized to purchase 4,250 lbs. ammonium chloride, as per N. S. A. Requisition 256.

A good demand for acids of all kinds is reported from France, and nitric acid, owing to the dependence of the French market on foreign sources of supply, is especially firm.

A sharp demand for sulfate of ammonia is reported from Paris, and people in the trade are anticipating a rise to francs 118 to francs 120 per 100 kilograms for ordinary qualities. German deliveries are to be expected for some time to come, owing to the prolonging of the agreement with the Ruhr manufacturers.

George M. Wells, vice-president of Solvay Process Co. and Atmospheric Nitrogen Co., who joined the Syracuse companies in June, 1923, having been assigned to the position by Allied Chemical and Dye Corp., formerly was associated with Orlando F. Weber, president of Allied Chemical and Dye, and with Col. Goethals in constructing the Panama Canal. The position of active manager of Semet-Solvay has not been filled, but rumor says that J. H. White, who was associated with Proctor K. Malin in charge of coke operations, may get the appointment.

The statement of earnings of American Smelting and Refining Co. for the six months ended June 30, 1924, shows net income of \$9,965,845 after all expenses and taxes, but before reserves for charges and depreciation, against net income of \$9,222,645 reported in the first half of last year. After providing for charges and other deductions the balance of \$5,690,537 was available for dividends on the preferred and common stocks, against a balance of \$5,096,045 in the same period last year. After allowing for regular dividends on the preferred stock a balance of \$3,940,537 was available for the common stock, equal to \$6.47 a share earned on the \$60,998,000 common stock outstanding, against \$5.48 a share earned on the common stock in the first half of last year.

## Foreign Trade Opportunities

The Department of Commerce, Washington, D. C., has received the following inquiries for drugs, chemicals and accessories. Reserved addresses may be obtained from the Bureau and its district and cooperative offices. Request for each opportunity should be on a separate sheet and state opportunity number. The Bureau does not furnish credit ratings or assume responsibility as to the standing of foreign inquirers; the usual precautions should be taken in all cases.

Acid, acetic, free of copper	11509	Soerabaya, Java	.....Purchase
Blue, Chinese	11552	Karachi, India	.....Purchase
Boiler compound	11515	Calcutta, India	.....Agency
Chemicals for soap making	11514	Copenhagen, Denmark	.....Agency
Fertilizers for rubber plantations	11510	Penang, Straits Settlements	.....Purchase
Paints, dry colors, varnishes	11517	Bombay, India	.....Purchase
Paints and varnishes	11511	Bombay, India	.....Agency
Perfumery	11525	Bagdad, Turkey	.....Purchase
Rosin	11512	Bahia, Brazil	.....Agency
Rosin	11546	Malmö, Sweden	.....Purchase
Soda ash	11516		
Soda bichromate, 25 to 50 tons, best quality	11539	Rotterdam, Netherlands	.....Purchase
Soda, caustic	11512	Malmö, Sweden	.....Purchase
Acid, acetic	11579	Bahia, Brazil	.....Agency
Chemicals, heavy	11580	Rosario, Argentina	.....Agency
Chemicals, technical and medicinal	11576	Hamburg, Germany	.....Purchase
Dyes, synthetic indigo	11573	Warsaw, Poland	.....Agency
Fertilizers	11612	Point-a-Pitre, Guadeloupe	.....Agency
Paints, varnishes, dry colors, oils	11581	Calcutta, India	.....Purchase
Rosin	11582	Warsaw, Poland	.....Purchase
Saffron	11577	Bombay, India	.....Purchase
Soda, caustic	11579	Rosario, Argentina	.....Agency
Medicines, proprietary	11576	Warsaw, Poland	.....Agency
Perfumes, toilet articles	11578	Hongkong, China	.....Purchase
Chemicals	11652	Warsaw, Poland	.....Purchase
Chemicals	11671	Caracas, Venezuela	.....Purchase
Chemicals	11675	Rio de Janeiro, Brazil	.....Agency
Chemicals, heavy	11650	Lubeck, Germany	.....Agency
Dye extracts	11668	Santiago, Chile	.....Agency
Glue	11557	Buenos Aires, Argentina	.....Agency
Logwood extract in ton lots	11669	Sydney, Australia	.....Purchase
Pitch	11675	Rio de Janeiro, Brazil	.....Agency
Soda ash	11670	Bombay, India	.....Purchase
Soda ash	11673	Rio de Janeiro, Brazil	.....Agency
Drugs	11675	Rio de Janeiro, Brazil	.....Agency
Pharmaceutical products	11671	Caracas, Venezuela	.....Purchase
Pharmaceutical specialties	11673	Madrid, Spain	.....Agency
Salts, Epsom	11672	Rio de Janeiro, Brazil	.....Agency
Salts, Epsom	11675	Rio de Janeiro, Brazil	.....Agency
Toilet preparations	11674	Germiston, South Africa	.....Agency
Borax	11757	Cologne, Germany	.....Purchase
Carbon black	11724	Hamburg, Germany	.....Agency
Chemicals, fine	11754	Bologna, Italy	.....Purchase
Chemicals, fine	11758	Florence, Italy	.....Purchase
Fertilizers	11756	San Jose, Costa Rica	.....Purchase
Glue, vegetable	11774	Vienna, Austria	.....Purchase
Paints and varnishes	11746	Shanghai, China	.....Agency
Potash and caustic soda	11726	Bahia, Brazil	.....Agency
Rosin	11727	Sydney, Australia	.....Agency
Rosin	11729	Bahia, Brazil	.....Agency
Rosin	11726	Bahia, Brazil	.....Agency
Rosin and rosin oil	11755	Dundee, South Africa	.....Purchase
Soda, caustic	11729	Bahia, Brazil	.....Agency
Soda, caustic	11763	Amritsar, India	.....Purchase
Waxes (beeswax, ceresin, and carnauba)	11727	Sydney, Australia	.....Agency
Ba'sam copaiba and titanium oxide	11579	Meissen, Germany	.....Purchase
Drugs and pharmaceutical products	11758	Florence, Italy	.....Purchase and agency
Drugs and medicinal preparations	11754	Bologna, Italy	.....Purchase
Pharmaceutical and biological products	11752	Kovno, Lithuania	.....Agency
Alcohol, fuel	11782	Alexandria, Egypt	.....Purchase
Carbide of calcium	11781	Las Palmas, Canary Islands	.....Purchase
Chemicals, raw materials	11855	Berlin, Germany	.....Agency
Dyes, coal tar	11783	St. John's, Newfoundland	.....Agency
Medicines, poultry	11832	Nagoya, Japan	.....Purchase
Rosin	11784	Bahia, Brazil	.....Agency
Rosin, chromium salts	11798	Hamburg, Germany	.....Purchase

St. Joseph Lead Co. has declared a quarterly dividend of 50c a share, payable Dec. 20. Books close Dec. 9 and reopen Dec. 22.

American Glue Co. has declared a quarterly dividend of \$2 on preferred stock, payable Nov. 1 to stock of record Oct. 15.

The New York Stock Exchange has admitted to trading 40,000 shares of common stock of Certain-teed Products Corp.

## INTERNAT'L AGRICULTURAL DEFICIT LESS

### President Watson Says Sulfuric Acid Contract Caused Uneconomical Selling Policy

International Agricultural Corp. reports for the year ended June 30, 1924, a deficit of \$549,007 after depreciation, depletion, interest charges, compared with a deficit of \$1,434,391 in the preceding year. Current assets as of June 30, 1924, stood at \$10,932,524 and current liabilities \$3,992,514, leaving net working capital \$6,940,010, as compared with net working capital of \$7,491,529 as of June 30, 1923 after giving effect to plan for readjustment.

President Watson said in his report to stockholders. "The corporation's contract for sulfuric acid in the past has forced upon the company such a large tonnage of the acid that an uneconomical policy of manufacturing and selling has been necessary to enable the company to meet the obligations to receive the acid. This contract expired in March and the corporation is now operating on a basis whereby it is required to receive only such acid as is necessary for its own fertilizer business.

"During the fiscal year ended June 30, 1924, the readjustment of debt and reclassification of the capital stock was completed. Of the \$8,228,300 sinking fund gold bonds originally due May 1, 1932, \$7,015,300 have been deposited and stamped under the extension agreement and now mature May 1, 1942."

In pointing out that earnings would have been larger if the reorganization had been effected earlier Mr. Watson said: "The benefits of the reduction in interest charges effected by the reorganization did not accrue until Dec. 1, 1923, or after five months of the past fiscal year had passed."

Regarding the production and actual operations of the company Mr. Watson said: "During the selling season while demand for fertilizer was good and the corporation sold the largest tonnage of bagged goods in its history, prices were so competitive and reduced to such a low level that there was little profit on goods sold. The phosphate rock department has been very competitive, and while the management materially reduced mining costs by the installation of new machinery and other equipment the selling prices for the various grades of rock have been the lowest prevailing in many years."

Solvay Process Co., when taken over by Allied Chemical and Dye Corp., had an authorized capital stock of \$36,000,000, of which \$22,500,000 was outstanding. Semet-Solvay Co. was incorporated in 1916, with an authorized capital stock of \$20,000,000, of which a little less than \$17,000,000 was outstanding. When the merger was carried to completion, a new stock issue was authorized and Solvay stock was exchanged on a basis of 3.22 shares of Allied Chemical for one of Solvay. The basis for exchanging Semet-Solvay shares was 2.73 shares of Allied Chemical for one of the subsidiary company.

Chemical Products, Ltd., of Trenton, Ont., which recently went into voluntary liquidation will be re-organized. Chas. H. Collins of Toronto has been appointed permanent liquidator pending the reorganization. The company took over a large munition plant, the value as a going concern being estimated at \$1,500,000 and since the war has been manufacturing chemicals and fertilizers. The claims against the company amount to about \$40,000 in addition to the mortgage on the plant.

An issue of \$19,000 5 per cent debentures of Corn Products Refining Co., due Nov. 1, 1931, has been called for payment at par and accrued interest Nov. 1, 1924, at the Title Guarantee and Trust Co.

## QUOTATIONS ON CHEMICAL STOCKS

Closing Prices for Week Ending Oct. 11

Bid	Asked	Bid	Asked
*Air Reduction .....	81	Hercules Powder .....	84
*Allied Chem. & D. ....	71 3/4	Hercules Powd., pf. ....	103
*Allied Ch. & D., pf. ....	117 1/2	Heyden Chem. ....	3
*Am. Ag. Ch. ....	11 1/2	Hooker Electro ....	10
*Am. Ag. Ch., pf. ....	33 3/4	Hooker Electro, pf. ....	35
*Am. Chiclé ....	30 1/4	*Household Products. ....	33 3/4
*Am. Chiclé, pf. ....	80	*Int. Agricult. ....	34
*Am. Cyan. ....	92	*Int. Agricult., new 6	6 1/2
*Am. Cyan., pf. ....	76 1/2	*Int. Nickel, pf. ....	18 1/2
*Am. Druggist, S. ....	5 3/4	*Int. Nickel, pf. ....	89 1/4
Am. Glue .....	34	*Int. Salt .....	68 1/2
Am. Glue, pf. ....	101	*Mathieson Alk. ....	33 1/2
*Am. Linseed ....	18	*Mathieson Alk., pf. ....	88 1/2
*Am. Linseed, pf. ....	39	MacAnd. & Forbes. ....	147
*Am. Metal ....	47	MacAndrews & Forbes, pf. ....	99
*Am. Zinc ....	7 1/2	Merck & Co., pf. ....	58
Archer-Dan-Mid. ....	18 1/2	Merrimac .....	81
Archer-Dan-Mid., pf. ....	86	Merrimac Co. ....	29
*Atlas Powder ....	47 1/2	*National Lead ....	150
*Atlas Powder, pf. ....	88	*National Lead, pf. ....	116 1/2
By-Prod. Co., pf. ....	100	N. J. Zinc ....	157
By-Prod. Co., pf. ....	103	Niag. A., pf. ....	80
Canad. Ind. Al. ....	28	Parke, Davis & Co. ....	77
Canad. Salt ....	95	Penn Salt .....	78 3/4
Casein Co. ....	60	*Peoples Gas, Chi. ....	107 1/4
Celluloid Co. ....	55	Procter & Gamble. ....	105
Celluloid Co., pf. ....	90	Procter & Gam., pf. ....	106
Charcoal Iron ....	35	Royal Bak. Po. ....	145
Ches. Mfg. ....	48 1/2	Royal Bak. Po., pf. ....	98 1/2
Ches. Mfg., pf. ....	110	Shawinigan .....	4
Clark Co., Fed. ....	2	Shawinigan H. ....	130
Cleve. Cliffs Iron. ....	75	Sherwin-Williams ....	28 3/4
*Com'l Solv. A. ....	67	Sherwin-Will., 1st pf. ....	103 1/2
*Do B. ....	60	*Sterling Prod. ....	63 1/4
*Corn Products ....	35 1/2	Swan & Finch ....	42
*Corn Products, pf. ....	119 1/2	*Tenn. C. & Chem. ....	7 1/2
*Davison Chem. ....	44	*Tex. Gulf, Sul. ....	77 1/4
Dow Chem. non par. ....	52	Union Carbide ....	59 1/4
Dow Ch., pf. ....	94	*Un. Drug ....	92
Dow Drug Co. ....	150	*Un. Drug 1st pf. ....	49 1/2
Dow Drug Co., pf. ....	104	*Un. Dyewood ....	49
*Du Pont de Nem. ....	127	*Un. Dyewood, pf. ....	79
*Du Pt. de Nem. Db. ....	91 1/2	Un. Gas Imp. ....	57
*Eastman Kodak ....	110	Un. Gas Imp., pf. ....	114
*Eastman Kodak, pf. ....	110 1/2	U. S. Gypsum ....	116
*Freemont Tex. ....	7 1/2	*U. S. Indus., Al. ....	60
*Genl. Asphalt ....	40	*U. S. Indus., Al., pf. ....	96 1/2
*Genl. Asphalt pf. ....	80	*Va. Car. Ch. ....	1 1/4
*Gold Dust ....	36 1/4	*V. Vivaudou ....	85 1/2
Grasselli ....	123 1/2	Will & Baumer ....	12
Grasselli, pf. ....	102 1/2		

\*Listed on New York Stock Exchange  
Unlisted Stocks Through Courtesy Pynchon & Co.

FOREIGN EXCHANGE	Par	Current
Great Britain (pound sterling) .....	\$4.866	\$4.49
France (franc) .....	.193	.052
Italy (lira) .....	.193	.043
Germany (mark) per hundred .....	23.80	
Czechoslovakia (crown) per hundred .....	20.30	.030
Poland (zloty) .....	.193	.192
Japan (yen) .....	.499	.378
Holland (florin) .....	.402	.391
Spain (peseta) .....	.193	.048
Belgium (franc) .....	.193	.192
Switzerland (franc) .....	.268	.143
Norway (krone) .....	.268	.266
Sweden (krone) .....	.268	.176
Denmark (krone) .....	.424	.369
Argentina (peso) .....	.324	.113
Brazil (milreis) .....	.485	.339
India (rupee) .....	.789	.551
China (Silver dollar—Hongkong) .....	1.986	.786
(Tael—Shanghai, silver) .....	1.156	.815
(Tael—Peking, silver) .....		

The proposed stock increase by Procter & Gamble Co., Cincinnati, has been postponed until Nov. 19. Under a new Ohio statute, corporations are required to have all preferred stockholders vote on any change in the capital. The charter of the Procter & Gamble Company provides that the 6 per cent preferred stockholders are non-voting, and notice of the proposed increase was sent only to the common and 8 per cent preferred stockholders. The increased capital will be used for a 4 per cent stock dividend to the common stockholders on Aug. 15, 1925. The proposed increase is \$1,000,000, making the total capital stock \$25,000,000.

## New Incorporations

## In the Chemical, Drug, Oil Producing and Consuming Fields

Aarons Pharmacy, Philadelphia, \$250,000. Corp. Guarantee and Trust Co., Dover, Del.

Barrett Liniment Co., Dover, Del., \$300,000. Douglas Lawson, Scituate, Mass.; Richard C. Proctor, Rye, N. Y.; Geo. W. Billups, New York. United States Corporation Co., Dover.

Rite Cleaners and Dyers, Wilmington, Del., \$250,000. Corporation Service Co.

Berkshire Rubber Co., Pittsfield, Mass., 100 shares, no par value. To manufacture automobile supplies and leather goods. Jessie F. Herbst, P. Frank Herbst, James H. Rosenthal, Pittsfield.

Jorn Todd, Ins., Springfield, Mass., 1,000 shares, no par value. Non-alcoholic beverages. Earl C. Lovejoy, Harold W. Carlson, Harold P. Small, Springfield.

Shoe Tread Corp., Boston, \$50,000. To make research experiments with rubber latex. Albert M. Davis, Wellesley, Mass.; William B. Westcott, Dover, Mass.; Frederick F. Bryant, Boston.

Aero Leather Co., Boston, Mass., \$50,000. Simon I. Greenbaum, George H. Cavanagh, Brookline, Mass.; Edward E. Bradford, Wollaston, Mass.

Evam Mfg. Co., Boston, \$25,000. Medicines. Rufus Best, Charlotte M. Best, Ida D. Best, Gertrude Best, Baryl Best, Hubert F. Gittens, Julian D. Rainey, Boston.

Wales Woolen Mills, Inc., Springfield, Mass., \$75,000. Raphael Sagalyn, James H. Mulcare, Louis Katz, Springfield.

Webb Remedy Co., New York, \$100,000. W. F. Gerner, D. A. Engel. A. attorney, A. J. Mackey, 2 Rector St.

Humboldt Sulphur Co., Wilmington, Del., \$6,800,000. Corporation Trust Co. of America.

Lorisa Products Co., Wilmington, Del., \$50,000. To manufacture cleaning compounds. Colonial Charter Co.

Kojene Products Corp., Buffalo, N. Y., 500 shares preferred stock, \$100 each; 1,000 shares common, no par value. Manufacturing chemists. E. W. Harrington, J. J. Finerty, P. J. McGloin. Attorneys, Klein and James, Buffalo.

Gloria Co., Dover, Del., \$50,000. To manufacture toilet preparations. P. B. Semans, Jr., Paul Boccella, Albert A. Pirpan, Philadelphia. Representative, Amos A. Watson, Dover, Del.

Canadian Industrial Alcohol, Ltd., has secured a new charter with capitalization of 1,000,000 shares of no par value. The old shares will be exchanged on the basis of two new for one old, requiring 800,000 shares leaving 200,000 in the treasury. The stock was placed on the market about a year and a half ago at \$11.50 which made the value for the 400,000 shares \$4,600,000. The market enhancement has been enormous and the same number of shares have approximated to \$16,000,000.

J. F. Hackfield and Mrs. Paul Isenberg, executors of the estate of Paul H. F. C. Isenberg, have filed a suit in the Superior Court at San Francisco, against Pacific Guano & Fertilizer Co., Ltd., an Hawaiian company for \$13,620 which they assert is due as interest on forty-four bonds of the company held by the estate. The sum is represented by 454 interest coupons maturing between September, 1918, and March, 1924.

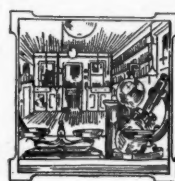
American Smelting & Refining Co. has declared a quarterly dividend of \$1.25 on the common stock. The company has earned so far in 1924 at the rate of \$10 a share on the 609,980 shares outstanding. In 1923 the company earned \$8.84 a share on common.

Two lots of Hooker Electrochemical stock, 37 shares of preferred and 6 shares of common were sold at auction by Adrian H. Muller & Son, 20 Vesey st., New York, on Wednesday, Oct. 8. The preferred sold for \$20 per share, and the common at \$3.50 per share.

Continental Can Co. has declared the regular quarterly dividend of \$1 a share on the common stock, payable Nov. 15 to stock of record Nov. 5.

Columbian Carbon Co. has declared a quarterly dividend of \$1, payable Nov. 1 to stock of record Oct. 20.

Barrett Co. has filed judgment for \$470.90 in New York county against Far Jean Mercantile Corp.



# Drug & Fine Chemical SECTION



## Where Are Bromide Prices Headed?

### *Probable Effect of Permanent Use of Ethyl Gas in Motor Fuel on Future of Bromine Derivatives*

**W**ITH domestic makers of bromides sold up for some time to come and with the largest producers in Germany having already contracted far ahead for their entire output, the situation in bromides looks rather serious for the consumer who has not as yet covered his year's requirements. Since the production of bromides in Germany depends entirely on the working of the potash mines, any over-production of potash salts causes an abundance of bromides, while the curtailment of potash production decreases the amount of bromides. For the past eight months, demand for potash has not been sufficient to take care of the production. Bromides, therefore, were produced in proportion to potash salts, and for a long time were a "drug" on the market. Domestic makers, no doubt, saw better business coming in bromides a few months ago, but they were not in a position to increase their output, as bromides are also a by-product in this country. As far as the domestic producers are concerned, prices are entirely nominal.

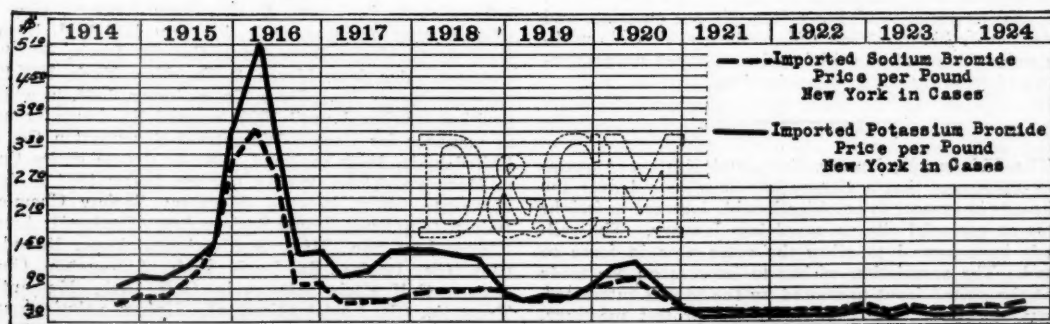
About four months ago, stocks of imported potassium and sodium bromides on spot totalled about two hundred tons, but at the moment practically all of these goods and other heavy imports have been taken off the market, owing to the active demand from the usual consumers along with a new outlet, the manufacture of lead tetraethyl. One seller of bromides says that the demand from the latter consumer has only just commenced. As soon as the use of the gas is introduced all over the country, the consumption will naturally be far in advance of the possible production, providing, of course, stocks are not materially increased. Without this additional outlet for bromides, one direction says that the ordinary run of consumption would have been enough to warrant higher prices.

A tighter position for bromides may result in the at-

tempt of potash producers in Germany raising their prices, and selling through a central agency. This condition will take place in the face of already well supplied consumers of potash salts. Whatever the price of the potash salts is, the consumer is not going to buy unless he finds it is distinctly to his advantage. On the other hand, if producers of potash were working to full capacity, then the demand for bromides might possibly be filled in a short time, and would, therefore, act as a check to keep bromide prices down. Prices will have to advance to much higher levels, before it will be profitable to work the potash deposit for bromine content alone.

The first sign of active demand in bromides occurred last Spring, when a New York broker stepped into an importer's office and offered to take his entire stock of soda off his hands at 18c per pound. From that time on consumers began to make inquiries for large lots, and then the speculators took up the "reins," and started to buy everything in sight. From 18c per pound up to 24c for sodium, the sales were not so large, but where most of the stocks were disposed of was above 24c per pound on speculative profit taking. A nominal price of 36c per pound for sodium and 30c per pound for potassium now exists on spot. Shipment is named at 20c c.i.f. New York for potassium and 25c to 28c per pound for sodium. The difference of 5c per pound between potassium and sodium still allows the price of the former to advance in order to be in line with the sodium. Of course, a slight difference nearly always exists between the two salts owing to the higher bromine content of the sodium, but with demand active the substitution of one for the other is readily possible.

Activity in bromides has been one of the outstanding firm features of the fine chemical market during the past few months. The interest shown in this article



has kept sellers busy, and at the same time they have been able to make enough profit to assist in carrying some of the more inactive items. Importers had not found the road very smooth prior to the recent advances. Prices dropped so fast that holders were willing to "get from under" at any cost. To take a loss on a downward market has often proven more difficult, than to sell out too soon in an advancing one. Those who sold just before they dropped, in some instances, bought them back when the market reached the bottom. While nothing was doing in the way of consuming interest, bromides changed hands several times, each time at a loss for the holder.

Spot stocks of bromides have been placed at about five tons potassium and twenty tons of sodium. Under the present stimulus for buying, this quantity is not expected to last very long. To the large operator, twenty-five tons is a small quantity, and for his purposes, the spot market is bare. However, a year ago, if the market contained such a quantity, dealers would say that one pound is as good as a hundred tons. These stocks on spot are so divided up that no one holder has much material. Practically all of the goods that have been coming in during the past four months, have been sold to arrive, leaving small quantities to take care of the spot jobbing trade. During this period some active business has been reported, one broker alone handled nearly 400 tons of bromides.

The future holds no encouragement to the consumer as far as several importers have expressed themselves. They claim that with only limited quantities coming out of the source sufficient demand ought to exist to absorb this amount, and if demand becomes greater than the supply, bromides naturally will be at a premium. Few sellers thought that bromides would ever recover so quickly from their slump a year ago, and nobody realized that demand would be for such quantities that have passed into consumption during the past few months. With the recent advance in imported bromides, they are now nearly on a par with the domestic prices.

Reports indicate that if ethyl gas consumption grows to the figures expected for it when it is introduced to motorists all over the country, that the consumption of bromine derivatives for this purpose will exceed all other uses by about two to one. Of course, this depends entirely upon the permanency of the use of ethyl gas by a fickle public. If, as predicted, ethyl gas use reaches one hundred per cent of motorists in the United States, and its use continues, drug and photographic users of bromides can count on a permanent market over the half-dollar mark. Today, the American makers are reported sold up for some time ahead,—oversold, as the reports state—and running at capacity. Germany is far behind in production and without stocks. With a fifty cent market in America instead of a fifteen cent market, however, the industry in Germany may find bromides to help supply the suddenly increased demand, which would not be brought to light by the lower price. The market looks to higher prices without question, and permanently higher prices. Nevertheless, there is nothing quite the equal of a high price to speed up production and to bring out new production.

The Chicago Perfumery, Soap and Extract Association announces that a victory has been scored over the railroads in respect to an objectionable increase in freight rates on essential oils proposed last January. The railroads have agreed to allow the rates now in force to stand. The association wishes to impress on the trade that the united front presented by the parties interested, forty of whom were present at the protest meetings, was responsible for the result.

DRUG AND FINE CHEMICAL SECTION

## Who's Who— in Fine Chemical Industry

**George G. Fries**, president Fries & Fries Co., Cincinnati. Born, Cincinnati, Dec. 25, 1889; mar. Madeline Ferrara, New York City, Mar. 23, 1918. Educat., Cornell Univ., A.B. 1909. Business: With his brother, Robert G. Fries, founded partnership of Fries & Fries, which became incorporated in 1920 with George G. Fries as pres. and Robert G. Fries as sec. and treas.; prior to the entry of U. S. into war made chemicals for the French air service, and after the entry of the U. S. into war made chemicals for the U. S. air service. Member: University Club (Cincinnati), Cornell Club of New York, Chemists Club of New York, Amer. Chem. Soc., Losantville Country Club, Masonic Lodge, Elks, Cincinnati Bus. Men's Club, Cincinnati Chamber of Commerce, Rotary Club. Hobby, golf.

**Alfred W. Jenkins**, senior partner, Parsons & Petit, New York. Born, July 17, 1862, Mystic, Conn. Unmarried. Educat., Public schools. Business: Entered employ Parsons & Petit, July, 1877; became junior partner, 1898; senior partner, 1917. Allied with Freeport Sulphur Co. sale their sulfur production from opening mine 1912. Member: Merchants Assn., Chamber Commerce (Bklyn., N.Y.), Metropolitan Museum Art, Amer. Museum Natural History, N. Y. Botanical Gardens, Montauk Club, French Museum (life memb.), Officier d'Academie (Paris), Brooklyn Inst. Arts and Sciences (trustee), Caledonian Hospital (director). Hobby, art, music, literature. Decorated French Govt. recognition interest French art.

**Harry Noonan**, pres. and genl. mgr., Drug Products Co., Long Island City, N. Y. Born, April 9, 1877, New York. Mar., Elizabeth G. Dwyer, New York, Sept. 20, 1906. Educat., public and high schools New York. Business: Norwich Pharmacal Co., 1892-1912, 13 yrs. mgr. N. Y. office; organ. Drug Prods. Co., Feb. 6, 1913, pres. and genl. mgr. to date. Member: Social Service Bureau, N. Y. Police Dept., Rotary Club (L. I. City), Chamber Commerce (Queens), Chemists' Club (N. Y.), Amer. Pharm. Assn., Westchester-Biltmore Country Club, Masonic Lodge, Drug & Chem. Square Club, Shrine, Amer. Pharm. Mfrs. Assn. (past pres, 2). Originator wafoids and bichoids (coffin shaped bichlor tabs.). Hobby, developing progressive ideas in American pharmacy.

**John Francis Queeny**, chrmn. board and pres., Monsanto Chemical Works, St. Louis. Born, Aug. 17, 1859, Chicago. Mar., Olga Mendez Monsanto, Hoboken, N. J., Feb. 5, 1896. Business: Shortly after Chicago fire (in which property of father was totally destroyed) entered employ Tolman & King, whol. drgsts., Chicago; later with I. L. Lyons & Co., New Orleans, also in wholesale drug business, with this firm 1881-1891, buyer, drug dept., Meyer Bros. Drug Co., St. Louis, 1892-94; manager sales dept. Merck & Co., New York, 1894-97; returned Meyer Bros. Drug Co. as buyer, 1897, in which position continued until 1906; opened St. Louis branch as manager for Powers-Weightman-Rosengarten Co. of Philadelphia, 1906; resigned, 1907, to devote entire time to Monsanto Chem. Works (incorp. 1901); 1907 to date Monsanto Chem. Works. Member: Society Chemical Indust. (England), Royal Society Arts (England), Amer. Electrochem Soc., Mfrs. & Merchants Assn., Noonday Club (St. Louis), St. Louis Club, Automobile Club, Sunset Golf Club, Algonquin Golf Club, Mercantile Trust Co. (St. Louis) (director). Hobby, paintings and antiques.

## FIND GREAT EXPANSION IN DRUG TRADE

America's drug trade has expanded to a volume of about \$800,000,000, according to review made by a special committee of the National Wholesale Druggists' Association, which says: "Outlining the growth of the nation's drug business, the number of druggists and dealers has risen from 6,139 in 1850 to 49,000 in 1924. In 1850 there were less than 100 pharmaceutical manufacturers in the country, while today there are more than 400. In the same period, the number of patent medicine manufacturers increased from 563 to 1,436, and those making perfumery and cosmetics increased from 67 to 422. Since the Prohibition Act has become effective, the proprietary committee has discouraged the marketing of any and all preparations intended to be used as substitutes for liquors. It has also warned of the necessity for securing from manufacturers guarantees to relieve the wholesaler of all excess stock should the sale of any proprietary be made unlawful at any time by any State or municipality."

## SEARCH FOR ETHYL ALCOHOL SUBSTITUTES

Difficulty in obtaining ethyl alcohol for manufacturing purposes has stimulated chemists to search for substitutes for this solvent. A United States patent was issued, recently, for the production of cyclic glycerin di-esters and glycerin di-esters, which are readily miscible with water, and almost odor-free, so that the odorous character of volatile oils and synthetic perfumes and flavors is in no way affected. Examples of the cyclic esters of diatomic acids are glycerin malonate, succinate, and glutinate, and of the glycerin di-ethers with the cyclic chains are glycid, glycerin ether, acetone glycerin, and their homologs and derivatives as for example, propylene glycerin and methyl acetone glycerin. The inventors, furthermore, have found the higher acyl derivatives of glycerin more stable than the lower ones; the alkyl ethers are absolutely stable.

The question of the tariff rate on barbitol is still pending before the Tariff Commission. There is a division of opinion on importations of barbitol in bulk and package form. Barbitol is in the basket clause of the Tariff Act and the commission will have to decide on the rate on both bulk and package importations. It is believed that if the tariff is raised on the bulk the importations of barbitol in bulk will decrease while importations of packages will increase. Some of the commissioners are of the opinion that action should be taken on both the bulk and package.

Application will be made in November for a charter for a Philadelphia corporation to be known as Husband's Magnesia Co., to deal in magnesia, calcined magnesia, milk of magnesia and pharmaceutical and medicinal preparations. The new corporation is the successor of Thomas J. Husband, Jr., Estate.

Java oil citronella was quoted in August for August-September shipment at 5.65 guilders per kilo; August-December shipment at 5.35 guilders; January-June shipment at 4.50 guilders, according to an official government report from Java. The market is reported stronger.

The Ethyl Gasoline Corporation, Wilmington, Del., capitalized at \$5,000,000, has filed a certificate at Albany to deal in gasoline and kerosine. A. E. Mittnaicht is secretary of the corporation. The New York office is at 25 Broadway.

Oil caraway is expected to advance in Holland, according to distillers, who state that the seed is becoming dearer.

## OPIUM IS IMPORTANT TURKISH EXPORT

## Three Grades of Product Distinguished By Origin and Paste Composition—Highest Morphia Yield Obtained from Macedonian Variety—Sometimes Equals 17%

Some interesting paragraphs were recently published in the "Levant Trade Review," the official organ of the American Chamber of Commerce for the Levant, relating to the production and exportation of opium from the Levant. Opium constitutes an important item of the export trade of the Turkish and Balkan States.

Turkish opium is divided into three categories differentiated by the composition of their paste and by their origin, the article states. These classifications are:

"(a) Opium called 'Druggists' is gathered in Asia Minor at Karahissar, Eskisheir, Salikli, and Akhissar. This opium is sold in the form of cones or round balls, covered with poppy leaves, weighing 300 to 1,000 grams. The paste is dark, somewhat granulous and rough, often having particles of capsules scraped from the poppy when the juice is gathered up. This opium contains from 10 to 12% morphia in the raw moist state, and is very good for the extraction of morphia and for all pharmaceutical preparations.

"(b) 'Soft' opium is gathered in Asia Minor at Tokat, Zile, Amassia, Oushak, Yosgad. It is very rich in morphia. Cakes of this opium are made in the form of cones, except at Zile where they are flat. The paste is thin, homogeneous and varies from clear white to dark brown, according to the opium being made of spring or autumn sowings. While the 'Druggists' contains from 10 to 12% morphia, the 'Soft' contains from 12 to 14 and sometimes 15%.

"(c) The opium from the districts of Malatia and Hadjikeuy is known under the name of 'Soft Shipping'. Its paste is thin and homogeneous having no cellular remains. This opium contains from 10 to 14% morphia in the raw moist state. It is very much sought after by smokers owing to its gold yellow or pale chocolate color and the light perfume of the paste.

"Druggists' and 'Soft' opium are generally exported in cases of from 68 to 75 kgr., while the 'Soft Shipping' is exported in cases of 120 lbs.

"Owing to the lack of official statistics it is difficult to estimate the production of opium in Turkey. According to estimates from export firms of Constantinople and Smyrna the annual average for the years 1910 to 1914 was 480,000 kgr.

"During the troubled period in Asia Minor, 1916-21, even an approximate estimate of the annual production is impossible. Figures from the Constantinople and Smyrna markets would indicate, however, that the average crop could not have been less than 200,000 kgr. per year. In 1922-23 production was very low, owing to the state of war in western Asia Minor.

"Opium from Asia Minor is known in commerce under the name of Constantinople or Smyrna opium, as these ports serve as centers of exportation.

"Opium from Macedonia is designated in commerce as opium of Saloniki (its center of exportation). It is cultivated throughout the plain of the Vardar. The principal centers of culture in order of importance are:

"In Yugo-Slavia: Keuprulu, Negotine Kavadar, Istip, Radovishta, Stroumnitza, Uskub, Koumanovo.

"In Greece: Serres, Nigritta, Kubush, Yeniji-Vardar.

"Owing to its high percentage of morphia, opium from Macedonia is particularly sought after for the extraction of alkaloids, especially for the American trade where customs duties make it desirable to import the richer grades. Macedonian opium often contains from 14 to 15% morphia in the raw moist state, and sometimes rises up as high as 16 to 17%.

## The Fine Chemical Market

Current Spot Quotations for Fine Chemicals, page 1178

### ALCOHOL ADVANCED 5c GALLON BY MAKERS

Market Very Strong and Further Advances Predicted—  
Codliver Oil Higher—Imported Bromides Firmer on  
Active Buying—Japanese Camphor Easy—Amyl Acetate  
Higher—Cream Tartar Quiet—Quinine Active—  
Menthol and Mercury Lower—Domestic Camphor  
Easier

#### PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced		Declined	
Alcohol, All Grades Denatured, 5c gal.	Amyl Acetate, Refined, 10c gal.	Potassium Permanganate, Dom., 1/4c lb.	Cod Liver Oil, Norwegian, 50c bbl.
Acid, Tartaric, Imp., 1/2c lb.			
Menthol, 50c lb.			
Mercury, 50c flask			

#### Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Acetanilid .....	\$3.35	\$3.35	\$3.35	\$3.32	\$2.00	\$2.20
Acid Citric, Import .....	45 1/4	45 1/4	45 1/4	48	1.25	.45
Caffeine Alkaloid .....	3.50	3.50	3.50	4.00	18.00	3.65
Calomel, American .....	1.22	1.22	1.22	1.25	3.43	.90
Camphor, Jap., ref. ....	.68	.68	.67	.87	3.55	.41
Iodine, Resublimed .....	4.65	4.65	4.65	4.55	5.00	3.75
Menthol .....	12.75	13.25	13.50	16.00	13.50	3.00
Potassium Bromide, Cryst. ....	.38	.38	.38	.26	4.30	.80
Quinine Sulfate, Imp. ....	.50	.50	.50	.50	.90	.25
Sodium Salicylate .....	.40	.40	.40	.40	4.25	.27
Strychnine Sulfate .....	.49 1/4	.49 1/4	.49 1/4	.84	2.05	.50
Average .....	2.32	2.36	2.38	2.68	5.92	1.56

The increased demand for fine and medicinal chemicals has resulted in a firmer market for these items, and at the same time, with attention centered on the active chemicals, stocks of the less active ones have become low. When a general checking up takes place by brokers, imported chemicals, other than cream tartar, will be found in small supply. Demand for cream tartar is small, which probably accounts for present low prices. Although the price of menthol has declined slightly, holders on spot have good control over the situation. Further stocks are expected in about two weeks. The present decline is attributed to lower exchange on Japan. Japanese camphor is easy owing to small demand and tendency to accumulation of stocks in the primary market. Mercury is easier. Codliver oil is up again on higher Norwegian exchange. Amyl acetate and fusel oil are in active demand.

**Acetanilid**—Makers are still unchanged at 32c@36c lb. spot as to quantity. Resellers are disposing of small quantities only at 34c@35c lb.

**Acid, Acetylsalicylic**—Demand is steady and increasing as the consuming season progresses. Makers quote 75c@85c lb. spot, resale quarters name 72 1/2c@75c lb.

**Acid, Citric**—Consumers appear to be taking on supplies for actual needs only at 45 1/2c@46c lb. spot for imported. During eight months ending Aug. 31 imports were 603,684 pounds, valued at 167,530. Some talk has been heard about contracts, but consumers think that the present time is too early to talk quantities over a long period. Domestic named at 46c@47c lb. spot.

**Acid, Diethylbarbituric**—Imported in small demand at \$3.50@3.75 lb. spot, and domestic quoted at \$10.00@12.00 lb.

**Acid, Phosphoric**—In active demand at 16c@17c lb. spot for 85°, syrupy. Supplies of imported scarce.

**Acid, Salicylic**—Demand steady at 35c lb. spot from makers, and 32c@34c lb. from resale quarters.

**Acid, Tartaric**—Imported quoted lower at 26 1/2c@27c

lb. spot owing to small demand and accumulated stocks. Imports for eight months ending Aug. 31 were 2,188,181 pounds, valued at \$447,294, compared with 1,323,340 pounds, valued at \$330,309, for a like period in 1923. Domestic quoted at 29c lb.

**Adeps Lanae**—In fair demand at 15c@21c lb. spot for hydrous, and 18c@23c lb. for anhydrous material.

**Alcohol**—Makers have advanced their prices sharply and now quote 57 1/2c@59 1/2c gal. for No. 1 specially denatured, and 55 1/2c@57 1/2c gal. for No. 6 completely denatured material. The market has been strong for some time past, and further advances are freely indicated from several sources. Demand has been exceptionally active.

**Alcohol, Butyl**—Quoted firm at 30c@32c lb. spot as to quantity by first hands.

**Alcin**—Firm at 86c@88c lb. spot.

**Amyl Acetate**—Refined has advanced and now quoted at \$3.60@3.75 gal. spot as to quantity and seller. Crude named at \$3.00@3.15 gal.

**Bay Rum**—In fair demand at \$1.10@1.20 gal. for either Porto Rican or St. Thomas material.

**Bismuth Subnitrate**—Easy owing to cheaper metal prices. Quoted at \$2.70 lb. spot by makers, and \$2.60 lb. from resellers.

**Bromides**—Imported potassium has advanced and now quoted at 30c@32c lb. spot, and sodium at 36c@38c lb. due to an active demand from consuming quarters as well as a new use to which bromides have been put, namely, the manufacture of ethyl gas. Domestic makers are not offering, but quote nominally, 44c@45c lb. for ammonium, 38c lb. for either potassium or sodium.

**Caffeine Alkaloid**—In steady demand at \$3.50@3.75 lb. spot from makers, and \$3.40@3.45 lb. from resale quarters.

**Camphor**—Japanese is easy at 68c@69c lb. spot for 2 1/2 lb. slabs. Shipment is slightly easier owing to lower exchange rates. On a firm bid less than 60c lb. c.i.f. is entirely possible. Domestic lower at 80c lb. in bulk.

**Cocoa Butter**—Demand has been active over the past two months. Quoted at 24c@25c lb. spot in bulk, and 33c@35c lb. for fingers.

**Codliver Oil**—Market has advanced again this week and now nothing under \$25.50@26.50 bbl. is available on spot, while shipment is still named at \$26.50 bbl. c.i.f. New York. Increasing demand and higher exchange rates have caused the advance.

**Cream Tartar**—Imported steady and tending to scarcity at 20 1/2c@21c lb. spot. Imports for the eight months ending Aug. 31 were 1,981,214 pounds, valued at \$140,839. Domestic named at 21 1/4c@21 1/2c lb.

**Formaldehyde**—Makers are firm at 9 1/4c@9 3/4c lb. works, in c/l as to seller, and 10 1/2c lb. in carboys. Resellers name 9c@9 1/4c lb. in barrels.

**Fusel Oil**—Demand has been active and some good sized sales have been reported. Sellers have no trouble in disposing of the goods. Quoted at \$3.15@3.25 gal. for crude, and \$3.50@3.75 gal. for refined material.

**Glycerin**—C.P. quoted steady at 19c@19 1/2c lb. spot in drums, and 20c@22c lb. in cans. Although refiners have threatened to advance the price a number of times, they have not as yet made any change. Dynamite quoted at 18 1/4c@18 1/2c lb. spot.

**Guaiacol Carbonate**—Demand has been more notice-

able, but supplies are so heavy that price is more apt to move downward than upward. Quoted at \$4.60@ \$4.75 lb. from first hands, and \$3.60@ \$3.75 lb. from resellers.

**Menthol**—Imported has declined and now quoted at \$12.75@ \$13.00 lb. spot as to quantity. Supplies on spot are well controlled at the present time at least. Prompt shipment out of Japan is quoted at \$8.00 lb. c.i.f. New York. Imports for the eight months ending Aug. 31 were 132,927 pounds, valued at \$1,147,759, compared with 1,338,549 pounds, valued at \$775,656 for a like period in 1923. Synthetic named at \$8.50@ \$9.50 lb.

**Mercury**—Spot has declined and now quoted at \$71.00 @ \$71.50 flask as to quantity and seller. London names £11 10s per flask. Reports are heard that a conference took place last week in Spain in regard to the advisability of maintaining their price of £14 per flask ex-mine.

**Methanol**—Market firm at 75c@77c gal. for pure as to quantity.

**Potassium Permanganate**—Domestic makers have reduced the price and now quote 12 3/4c@13c lb. works as to quantity, freight equalized. Imported still unchanged at 13c@13 1/2c lb. spot.

**Quinine**—First hands report an active demand at 50c oz. spot, while resellers are naming 47 1/2c@49 1/2c oz.

**Thymol**—Market very active and supplies tending scarce at \$5.00@ \$5.25 lb. spot as to quantity.

Vanilla crop in Madagascar, Reunion, the Comoro Islands, the Seychelles, and in Mauritius was exceptionally short during 1923, according to a report from this market, which says: "This short crop followed two others which were below normal. As the selling season opened and the shortage became evident, prices started upward until at the end of the season the Marseilles price was 485 francs per kilo. The crop, which is to be gathered and sold during June 1, 1924 to June 1, 1925, is estimated at 450 to 500 metric tons, according to the American consul-general at Marseilles. With the prospect of a slightly increased crop for the season, prices in Marseilles are weakening somewhat, although present stocks are said to be 20 tons, against a normal stock of 65 tons."

Cornell University and the University of Michigan have ordered X-ray diffraction equipments for use in their physics laboratories. The metallurgical, geological and other departments will also use the outfits. The equipments will be furnished by the General Electric Company, in whose research laboratory this x-ray method of studying crystal structure was developed.

An attempt was made last week to steal \$5,000 worth of aspirin tablets from the pier of the Hudson Navigation Co., Canal st. and Hudson River. The watchman, who discovered two men loading boxes of aspirin into a motorboat, fired at the thieves and one of them fell overboard. The other one jumped into the river and swam away with his companion.

Fire swept the plant of Laboratoire Naiveau, Ltd., Montreal, Oct. 10, resulting in \$100,000 damage to building and stock. The chemical formulae books of the company, one of which is valued at \$15,000, have not been recovered.

Unfiltered codliver oil amounting to 1,000 barrels were sold, recently, for industrial purposes, according to reports. By taking this quantity away from the medicinal uses, the trade is looking for much firmer prices for the refined product.

Out of 26 distilleries in Cuba 14 have been forced to close for lack of molasses.

## GERMANY BUYING ARECA NUTS

**Crop Reported Short—Palm Oil Sharply Advanced—Cassara Shipments Arriving in London More Freely—Japanese Mint Oil Higher—Orange Oil and Mercury Easier**

(Special Cable to DRUG & CHEMICAL MARKETS)

London, Oct. 15.—Business in fine chemicals and crude drugs is improving. Germany is buying areca nuts. The crop is said to be short. Honey is in demand and the price has advanced. Sharp advances are reported in Japanese mint oil and palm oil. The cassara situation is improving, shipments arriving more freely.

Prices are higher for linseed oil and pepper. The market is firmer for menthol, permanganate of potash and oil cassia.

Orange oil, citric acid and mercury are easier.

London, Oct. 4 (By Mail)—The Drug Auction Sales were renewed last week, after an interval of over two months. Fewer parcels than usual were offered and with a few exceptions the demand was only moderate. Dragons Blood fine bright re-boiled sold at £38 per cwt. Rhubarb was in good demand at fairly steady prices but rather in buyers favor especially round high-dried which was cheaper.

Cod liver oil—For over a month the market has continued to firm up and this tendency is likely to continue. Refiners are firm and the latest cabled advices report a heavy demand which promises to be sustained as the winter approaches. Finest brands are quoted at 107s. 6d. per barrel.

China star aniseed oil comes over dearer by cable at 2s. 5d. per lb. c.i.f. and Cassia lignea at 32s. 6d., selected 52s. 6d., are both higher owing to present troubles in China and shorter shipments are expected to rule for some time. Senega is again firmer at 2s. 9d. per lb. spot and 2s. 6 1/2d. to 2s. 9d. is quoted to arrive. Malt extracts owing to short crops of good barley at home and abroad, are advancing, and as correspondingly higher prices are being asked, our manufacturers are raising their prices all round.

Chamomiles, Belgian Roman—There is a halt in the downward course of prices. Recent arrivals are unsatisfactory as to color, being very mixed and quoted variously from 65s. to 100s. per cwt. while prime white flowers are scarce and worth about 150s.

Menthol has declined to 52s. to arrive, and present shipment to 45s. 6d. c.i.f. per pound.

Citronella—Cabled offers from Ceylon at much lower prices have brought about a rapid decline here to 3s. 3d. per lb. and forward 2s. 9d. per lb. c.i.f.

Japanese mint oil has declined to 17s. per lb. present shipment 15s. per lb. c.i.f.

American peppermint oil in tins and cases is still firmly held at unchanged prices. Business is of a retail character at 28s. per lb.

Bromides are fully maintained at the recent advance.

Hexamine is weak at 3s. 2d. per lb.

Citric and Tartaric acids are unchanged, quiet and easy.

## GERMAN QUININE MAN RETURNS TO N. Y.

Emil Levi, who represented C. F. Boehringer & Soehne, well-known German quinine manufacturers, before the war, has returned to New York for permanent residence. Mr. Levi is again connected with the Boehringer firm and is studying the quinine situation in this country in their interest. He has taken temporary offices at 296 Broadway, New York.

C. Randall Hammond, formerly in charge of the Atlanta, Ga. branch of the Rossville Co., Lawrenceburg, Ind., alcohol distillers, has been transferred to New York, and is now representing the company in the metropolitan area.

## The Crude Drug Market

Current Spot Quotations for Crude Drugs, page 1197

### RIO IPECAC ROOT SOFTENS ON SPOT

Consuming Demand Easing Off—Cascara Sagrada Lower on Spot—Asafetida Higher—Cinchona Bark Active—Buchu Leaves Soft—Cardamom Seed Active and Firm—Insect Powder Lower for Shipment—Rhubarb Root Firm

#### PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced		Declined	
Asafetida, Whole, 2c lb.	Cloves, Zanzibar, 1c lb.	Ipecac Root, Rio Whole, 5c lb.	
Powdered, 1c lb.	Orris Root, Verona, 1c lb.	Powdered, 10c lb.	
Cinchona Bark, Broken, 1c lb.	Poppy Seeds, Dutch, 2c lb.		
<b>Declined</b>			
Cantharides, Russian, Powd., 10c lb.	Ipecac Root, Rio Whole, 5c lb.		
Cascara Sagrada, 1924 Peel, 1c lb.	Scammony Resin, 5c lb.		

#### Trend of the Market

	Last Today	Last Week	Last Month	Last Year	War Peak	Pre- War
Aconite Rootf U.S.P. ....	\$.35	\$.29	\$.39	\$.50	\$.90	\$.12
Buchu Leaves, Short .....	.76	.76	.76	.90	4.00	.85
Cantharides, Russian .....	.80	.90	.90	1.75	9.00	2.10
Cocculus Indicus .....	.03	.03	.03	.03½	.85	.03
Ergot, Spanish .....	.31	.31	.31	.40	4.50	.54
Insect Powder, pure .....	.46	.46	.48	.62	1.00	.28
Ipecac, Cartagena, Powd..	2.40	2.40	2.75	1.90	4.50	1.35
Nux Vomica .....	.03	.05	.05	.06½	.14½	.07
Opium gum .....	12.00	12.00	12.60	8.00	30.00	5.00
Rhubarb Root, H. D. ....	.35	.35	.34	.38	1.75	.15
Tragacanth, No. 1, ribbon.	1.15	1.15	1.20	1.45	6.00	1.50
Wild Cherry Bk., thin nat.	.08½	.08½	.08½	.11	.21	.07
Average .....	1.56	1.57	1.62	1.34	5.28	1.60

Movement of crude drugs into consuming channels has been somewhat restricted during the week owing in part to the slow demand, but several scarcities, especially in the spices, have developed, thereby causing a slight uneasiness among sellers as well as buyers. In general, however, crude drugs are in ample supply for the present at least. Some good buying of American botanicals is reported from Germany. With a revival of buying interest in Europe, America is now competing for supplies in the primary markets. Any move on the part of consumers to buy on a large scale will be met, undoubtedly, with a hardening of prices. Demand for ipecac root appears to have run its course, and holders of spot supplies are desirous of ridding themselves of stocks. Asafetida has advanced again on active demand as well as a tendency to scarcity.

**Aconite Root**—Market is easy at 35c@37c lb. spot with the possibility of shading these figures on firm business.

**Agar Agar**—Spot is steady at \$1.55@\$1.60 lb. for No. 1 material, and \$1.35 lb. for No. 3, with tendency for Japan to weaken in view of the decline in the yen. October shipment is named at 9c lb. c.i.f. New York for No. 2 goods. New crop January-March shipment quoted at 96½c lb. c.i.f. New York for No. 1 material.

**Agaric**—White in steady demand at \$2.75@\$3.00 lb. spot as to quantity.

**Aloes**—Curacao steady at 10½c@11c lb. spot as to quantity. Last week saw 305 cases entered at New York, making total spot stocks of over 1,800 cases, providing none were sold last week. Cape unchanged at 9c@9½c lb.

**Anise Seed**—Little demand reported for Spanish at 14½c@15c lb. spot as to quantity. Replacements are about equal to spot values. Star named at 11c@11½c lb.

**Arabic Gum**—Amber sorts steady at 11½c@12c lb. spot. Supplies on the heavy side, tending to depress market.

DRUG AND FINE CHEMICAL SECTION

**Areca Nuts**—Whole off the market. Demand from Germany reported active. Powdered named at 14c@15c lb.

**Asafetida**—Whole has advanced sharply and now quoted at 22c@24c lb. spot as to quantity and seller. Powdered also higher at 36c@40c lb. First hand millers are offering only small quantities of powdered material.

**Balsams**—Little interest shown in this market at the moment. Oregon fir named easy at 90c@\$1.00 gal. spot, and Canadian firm at \$10.25@\$11.25 gal. Offerings from Coast tending easier. For other balsams see "Essential Oil Market."

**Belladonna Leaves**—Market has firmed up and now best price is 25c@26c lb. spot as to seller. Replacement values above spot figures. Root, 11c@12c lb.

**Blueflag Root**—In good supply at 25c@27c lb. spot.

**Buchu Leaves**—Market is easy at 76c@78c lb. spot for bales, and 81c@83c lb. for less. Demand has been small for the past two months, with the result that stocks have tended to increase.

**Cantharides**—Russian, whole, has declined and now quoted at 80c@85c lb. spot, and powdered \$1.00@\$1.10 lb. Chinese named at \$1.15@\$1.20 lb. for powdered material.

**Cardamom Seed**—Decorticated in active demand at \$1.70@\$1.85 lb. spot as to quantity, and bleached at \$1.75@\$2.00 lb.

**Cascara Sagrada**—Spot market has eased off slightly and now quoted at 14c@15c lb. spot for 1924 peel in spite of firm tendencies on the Coast. Buying has been slow during the past two weeks.

**Celery Seed**—Market quoted steady at 31½c@32c lb. spot.

**Cinchona Bark**—In active demand at 48c@50c lb. spot for red quills, and broken higher at 24c@25c lb.

**Cloves**—Zanzibar quoted higher at 27½c@28½c lb. spot as to quantity with the possibility of further advances owing to temporary scarcity on spot.

**Condurango Bark**—Easy at 19c@22c lb. spot.

**Damiana Leaves**—Sellers name 13c@14c lb. spot as to quantity. Supplies none too plentiful, but sufficient to take care of present demand.

**Dandelion Root**—Quoted steady on spot at 40c@45c lb. Last week saw 103 bales entered at New York, but this lot is undoubtedly high cost material. Shipment is named 23c lb. c.i.f. New York and up.

**Elm Bark**—Sellers want 26c@27c lb. spot for select material, while one house is naming as high as 28c lb.

**Ergot**—Demand has eased off, but price remains firm at 31c@32c lb. spot.

**Gentian Root**—In keen competition at 8½c@9c lb. spot as to quantity.

**Helonias Root**—Steady at 70c@73c lb.

**Insect Powder**—Market easy at 46c@48c lb. spot with shipment named at 32c@34c lb. c.i.f. New York. Lower exchange rates on Japan have caused an easier turn to the primary market.

**Ipecac Root**—Rio, whole, easier at \$2.20@\$2.25 lb. spot, and powdered at \$2.30@\$2.35 lb. Cartagena also easy at \$2.30@\$2.40 lb. for whole, and \$2.40@\$2.50 lb. for powdered goods.

**Japan Wax**—Spot named at 16½c@17c lb. spot with

November shipment quoted at 15½c lb. c.i.f. New York.

**Leeches**—Lower at \$3.90@\$4.50 per 100.

**Lycopodium**—Firm and active at 34c@35c lb. spot.

**Musk Root**—In keen competition at \$2.10@\$2.35 lb. spot as to seller and quantity.

**Orris Root**—Verona quoted higher at 6c@6½c lb. spot, and powdered at 7½c@9c lb.

**Poppy Seed**—Dutch higher at 14c@14½c lb. spot.

**Rhubarb Root**—Chinese market is firm, and has been reflected in the spot situation. Quoted at 35c@37c lb. spot for whole, and powdered at 40c@42c lb.

**Saffron Flowers**—Spanish named at \$38.00@\$40.00 lb. spot, with some houses naming \$39.00 lb. as the inside. Imports last week at New York were two cases.

**Sarsaparilla Root**—Mexican steady at 18c@19c lb. spot, and Honduras 58c@60c lb.

**Spikenard Root**—In small demand at 23c@24c lb. spot as to quantity.

**Wahoo Bark**—Little interest shown at 80c@85c lb. spot for root, and 40c@42c lb. for tree.

**Worm Seed**—Levant steady at \$2.75@\$3.00 lb. spot as to seller and quantity. Considerable trouble is reported in obtaining supplies from Russia.

Chamomile flower cultivation in Belgium is a lucrative undertaking, since the plant grows practically on any soil, and requires little fertilizer to promote its growth, according to "The Chemist and Druggist," of London, which says: "One hectare yields on an average 2,000 to 2,300 kilos of fresh flowers, the crop being collected weekly for the period of seven to nine weeks. During the past year the price was from 25 to 31 Belgian francs per kilo. Practically the entire crop is exported to France and Great Britain."

The first meeting and dinner of the year of the New York chapter of the American Institute of Chemists was held on Oct. 2. The speakers were H. S. Neiman, president of the chapter, and A. P. Sachs, chief chemist of Larvex Co. The next meeting is to be held on Thursday, Nov. 6.

Thymol and menthol have been produced synthetically from piperitone, which is contained to the extent of about 50 per cent in the oil distilled from eucalyptus leaves, according to tests made by G. Smith, of England. Thomas and Cameron, of England, are producing these products on a commercial scale.

Francis E. Holliday, general representative of the National Wholesale Druggists Association, has been granted leave of absence for sixty days for a trip to the Mediterranean with pay and expenses, in recognition of his twenty-five years of service with the Association.

Requirements for opium and its derivatives for the various countries have been reduced from 600 milligrammes per capita per year to a maximum of 450 milligrammes by decision of the advisory committee of the Opium Conference of the League of Nations.

Aldo Sommer Drug Co., Quincy, Ill., has discontinued business after having served that territory for fifty-one years. The stock has been transferred to St. Louis.

The building and stock of Bronx Drug Co., Inc., 3639 Third ave., New York, damaged by fire on Tuesday, Oct. 7, were insured for \$13,000.

# N. W. D. A. ELECTS NEW MEMBERS

At the recent meeting of the National Wholesale Druggists Association at Atlantic City, the following companies were elected to membership:

Active Members—Ashland Drug Co., Ashland, Ky.; J. H. Black & Sons, Terre Haute, Ind.; Fox-Vliet Drug Co., Oklahoma City, Okla.; Isaac S. Levy, Inc., 713 Florida ave., Tampa, Fla.

Associate Members—American White Cross Laboratories, 78 Bronx, Mt. Vernon, N. Y.; C. P. Chemical & Drug Co., 100 East 45th st., New York; Celluloid Co., 30 Washington place, New York; The Clinical Laboratories Co., Cleveland, O.; Coty, Inc., 714 Fifth ave., New York; Cummer Products Co., 2150 West 15th st., Cleveland, O.; The Frostilla Co., Elmira, N. Y.; Health Products Corp., 1170 Broadway, New York; R. Hillier's Son Co., Inc., 89 Fulton st., New York; Kirby-Gifford Co., 2810 Elm st., Dallas, Tex.; A. Pagnod & Sons, 229 Fiftieth st., Brooklyn, N. Y.; Princess Pat, Ltd., 2701 South Park ave., Chicago; Carroll-Dunham-Smith Pharmacal Co., 317 East 34th st., New York; William A. Webster Co., Memphis, Tenn.; Paul Westphal, 306 West 36th st., New York; Wynn Products Co., Sterling, Ill.; Dunn Pen & Pencil Co., 71 Fifth ave., New York; Stanley H. Knight Soda Fountain Co., 218 W. Superior st., Chicago; Western Drug Importers, 89 Fulton st., New York.

Transfer—Keasbey & Mattison Co., Ambler, Pa., was transferred from active to associate membership.

## DRUG LEAGUE BOWLING STARTS OCT. 27

The thirty-second annual bowling tournament among the New York chemical and drug houses will begin on Oct. 27 at 8 P.M. at the alleys of Colgate & Co., Jersey City, N. J., according to an announcement sent out by George A. Bode of Roessler & Hasslacher Chemical Co., chairman of the committee of the Wholesale Drug Trade Bowling Association.

Invitation to join the league has been extended throughout the chemical and drug trades to various firms. Season entry fee is \$50, which covers bowling about every second Monday evening throughout the season. A preliminary "get acquainted" meeting of the teams in the league will be held at Colgate's Alleys on Monday evening, Oct. 20. The schedule will be announced later. Information regarding the tournament may be obtained from Mr. Bode at Pennsylvania 5648.

An increase of two per cent over the sales for July was indicated in the August reports of seven drug firms in the Dallas Federal Reserve District, but the total sales were two-tenths of one per cent below the report of the same month for 1923. Buying demand for September is said to show considerable improvement over August, which was somewhat slow. Collections for September were more satisfactory than in August.

Louis K. Liggett, head of United Drug Co., who was aided by friends when financially embarrassed in 1921, will pay off his liabilities on Nov. 1, by buying with interest \$1,200,000 Rexall Loyalty Trust Fund Certificates taken by 3,000 persons. Holders of the certificates will be permitted either to convert each \$100 certificate into cash or to exchange it for two shares of first preferred United Drug Co. stock.

Proceedings of the thirteenth annual meeting of the American Drug Manufacturers Association, held April 7 to 10 last, at the Hotel Biltmore, New York, have been published and distributed to the members of the association. The volume makes a cloth bound book of 358 pages and contains complete reports of the work of the association for the year ending April, 1924.

## The Essential Oil Market

Current Spot Quotations of Essential Oils, page 1201, Aromatic Chemicals, page 1204

### OIL CEDAR WOOD SCARCE AND HIGHER

Doubled in Price Within Five Months—Oil Lemon Firmer—Oil Peppermint Reacts Upward—Tolu Balsam Easier—Oil Wormseed Steady on Spot—Oil Hemlock Lower—Vanilla Beans Higher

#### PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced	
Oil Cedar Wood, 6c lb.	Oil Peppermint, Nat'l., 15c lb.
Oil Lemon, Italian, 2c lb.	Redistilled, 25c lb.
Oil Mace, 10c lb.	Oil Pimento, 20c lb.
Oil Mustard, Artificial, 10 lb.	Oil Wormwood, 10c lb.
Oil Nutmeg, 10c lb.	
Oil Orange, West Indian, 10c lb.	

Declined	
Oil emAbr, Rectified, 5c lb.	Tolu Balsam, 5c lb.
Oil Hemlock, 5c lb.	

	Trend of the Market					
	Today	Last Week	Last Month	Last Year	War Peak	Pre War
Oil Bergamot .....	\$3.35	\$3.35	\$3.40	\$2.70	\$7.00	\$5.00
Oil Citronella, Ceylon ....	.73	.73	.75	.75	.92	.60
Oil Cloves .....	1.85	1.85	1.95	2.25	3.70	1.40
Oil Lemon, Italian .....	.85	.83	.80	.70	1.70	2.00
Oil Peppermint, Nat. ....	5.75	5.60	6.00	3.10	9.00	2.25
Oil Sandalwood, E. I. ....	6.15	6.15	6.15	7.25	13.00	5.25
Oil Sassafras, Artif. ....	.35	.35	.35	.40	1.00	.25
Benzaldehyde, U.S.P. ....	1.50	1.50	1.50	1.50	5.15	1.50
Coumaron .....	3.25	3.25	3.25	4.50	31.00	3.10
Methyl Salicylate, Cans. ....	.47	.47	.47	.47	1.00	.90
Vanillin .....	.49½	.49½	.49½	.40	.95	.20
Average .....	2.24	2.23	2.28	2.21	6.83	2.05

The further advance in oil cedar wood has featured the essential oil market during the week. The price has about doubled within the last five months, and some dealers predict that much higher prices will develop in the next few days. Stocks are extremely scarce, and practically nothing is coming out of the South. Some of the largest buyers have been holding off for lower prices, but as yet they have not covered to their full extent. They have, however, taken on small quantities to tide them over. If prices go much higher, buyers will probably resort to other oils. This threat may act as a check to keep the price down. The firm items still outnumber the weak ones. Country holders of peppermint and wormseed seem to have taken new life, and will not quote in a large way, only in small quantities at higher prices each time they quote. About 25 tons of Java citronella oil are now afloat, but one importer thinks most of the oil is high priced, and will probably go directly into consumption. Oil lavender is firm with higher tendencies.

#### Essential Oils

**Oil Almond**—Little interest is being shown at the moment in bitter at \$3.15@3.25 lb. spot, and ff PA at \$3.25@3.50 lb.

**Oil Amber**—Rectified has declined and now quoted at 85c@90c lb. spot as to quantity and seller.

**Oil Anise**—While spot prices of 47½c@52c lb. are quoted spot, replacement values are fully equal to these and tending higher. However, as long as spot stocks remain what they are, higher prices cannot be expected to materialize in the near future.

**Oil Bergamot**—Coppers quoted on spot at \$3.35@3.45 lb. as to quantity and seller. Interest is small and importers are buying little material for future delivery.

**Oil Bois de Rose**—Quoted firm at \$4.50@4.75 lb. spot as to quantity.

DRUG AND FINE CHEMICAL SECTION

**Oil Camphor**—Japanese steady and unchanged at 13½c@14c lb. spot in drums, and 14c@14½c lb. drums.

**Oil Caraway**—Spot quoted firmer than for some time past at \$4.00@4.50 lb. as to quantity. Reports are heard that some short sellers of the seed exist, and the buyers are pressing for delivery. This condition may reflect in the oil shortly.

**Oil Carvol**—Steady at \$14.00@15.00 lb. spot.

**Oil Cassia**—Redistilled firm on spot at \$2.75@2.90 lb. as to seller, with prompt shipment named at \$1.80@1.85 lb. c.i.f. New York. Until the arrival of the cheap material, not much cheaper goods can be expected than quoted now, according to one of the leading importers of this item.

**Oil Cedar Leaf**—Little interest is being shown at 90c@1.00 lb. spot.

**Oil Cedar Wood**—Market has advanced sharply and now quoted at 68c@70c lb. spot as to quantity with the possibility of higher prices owing to scarcity and the steady demand for the oil. Export demand active.

**Oil Cinnamon Leaf**—Steady at \$1.40@1.50 lb. spot as to quantity.

**Oil Citronella**—Ceylon ranges from 73c@80c lb. spot in drums as to seller, and 76c@83c lb. in tins with shipment named at 60c lb. c.i.f. and up according to position. Stocks on hand appear ample for present needs, but little shading is being done owing to strong hands holding the largest percentage of stocks. Java is nominal at \$1.40 lb. spot in drums. A large quantity is afloat, but this material is practically all disposed of, according to reports.

**Oil Cloves**—Quoted on spot at \$1.85@1.90 lb. for cans, and \$1.95@2.00 lb. for tins.

**Oil Copaiba**—U.S.P. material is firm at 40c@42c lb. spot as to quantity.

**Oil Cubebs**—Easy at \$5.00@5.25 lb. spot as to quantity.

**Oil Eucalyptus**—Market firm at 56c@58c lb. spot for drums, and 58c@60c lb. for cases. One direction states that we will see 70c oil in a short time. Shipment tending higher and prices last heard were 46c@47c lb. c.i.f. New York.

**Oil Geranium**—Bourbon firm at \$7.25@8.50 lb. spot, and African at \$7.75@8.50 lb.

**Oil Hemlock**—Has declined and now quoted at 85c@90c lb. spot.

**Oil Lavender**—U.S.P. material firm at \$5.50@6.50 lb. spot, and spike at 85c@1.25 lb. as to quality and seller.

**Oil Lemon**—Italian has advanced and now lowest price is 85c up to 95c lb. spot with shipment named at 71c lb. c.i.f. New York. American, 70c@75c lb.

**Oil Mace**—Quoted higher at \$1.45@1.50 lb. spot as to quantity owing to higher priced raw materials.

**Oil Mustard**—Artificial has become somewhat scarce, and now sellers want \$3.25@3.35 lb. spot for their goods.

**Oil Nutmeg**—Higher at \$1.40@1.45 lb. spot.

**Oil Orange**—Sweet West Indian quoted firmer at \$1.45@1.50 lb. spot as to quantity. Italian, however, is still unchanged at \$2.70@2.90 lb. spot. American, \$3.00@3.10 lb.

**Oil Pennyroyal**—Domestic active at \$2.00@2.25 lb. spot, and imported \$1.65@1.70 lb.

**Oil Peppermint**—Natural has firmed up and now quoted at \$5.75@6.00 lb. spot, and redistilled \$6.25@6.50 lb. owing to strength in the country. Buying, however, has been small from consuming quarters.

**Oil Pimento**—Quoted higher at \$2.25@2.35 lb. spot.

**Oil Wormseed**—Quoted steady on spot at \$4.50@4.75 lb. One holder names as high as \$5.50@6.00 lb.

**Oil Wormwood**—Quoted firmer at \$3.50@3.75 lb. spot as to quantity.

#### Balsams

**Peru**—Steady at \$1.75@1.80 lb. spot.

**Tolu**—Slightly easier at \$1.85@1.95 lb. spot in spite of the small amount of stocks on spot.

#### Vanilla Beans

Market has advanced and now whole Mexicans are quoted at \$13.00@13.50 lb. spot, and cuts at \$11.00@12.00 lb. Bourbon also firm at \$10.50@11.00 lb., and Tahiti \$7.75@8.00 lb.

#### Aromatic Chemicals

**Coumarin**—Makers report an active demand at \$3.25@3.45 lb. spot, and resale quarters \$3.25@3.30 lb.

**Diethylphthalate**—Quiet at 35c lb. in drums, and 40c lb. in cans.

**Methyl Salicylate**—In steady demand at 45c@47c lb. spot from first hands, and 44c@45c lb. from resellers.

**Terpineol**—Demand dull at the moment at 48c@57c lb. spot as to quantity. Imported named at \$1.00@1.10 lb.

**Vanillin**—Makers report an active demand at 49½c@51c oz. spot, and resale quarters are firmer at 47c@50c oz.

### *The Editor's Correspondence*

#### Barclay Protests Doone Article

Editor, DRUG & CHEMICAL MARKETS:

Our attention has been called to the article in DRUG & CHEMICAL MARKETS of Oct. 1st, 1924, entitled "Chemical Companies Quizzed in Doone Bankruptcy Case."

Most of the statements in this article affecting us are absolutely false and without foundation. It is not true that our Mr. Kay was accompanied by a lawyer at any of the hearings before Referee H. K. Davis, or that he refused to answer any of the questions submitted to him by the referee or any one else connected with this matter. Nor is it true that we were "channels through which the merchandise sold to Doone was offered back to the trade at sharply lower prices than the original selling prices."

As a matter of fact our Mr. Kay appeared at these hearings voluntarily and answered all questions willingly and with perfect candor. Our dealings with the Doone Cosmetic Mfg. Company were absolutely legitimate, in the ordinary course of business and commenced long before the bankruptcy. There was nothing in our dealings, as far as we are concerned, which requires concealment or cause any apprehension.

This article as a whole is extremely unfair to us and libelous. It will undoubtedly injure our credit and standing in the trade, and unless you immediately publish a statement correcting the impression conveyed by this article, we will take this matter up with our attorney and seek redress in the courts.

Very truly yours,

BARCLAY CHEMICAL CORP.

Frank Kay.

Oct. 2, 1924.

#### DOONE CREDITORS EXAMINE BOOKS OF EMERSON CHEMICAL COMPANY

**John Reston of Industrial Chemical Co. Investigates Emerson Deals With Bankrupt Cosmetic Company—Creditors to Meet Oct. 20 to Select Trustee**

At a hearing in the bankruptcy case of the Doone Cosmetic Manufacturing Co., New York, in which failure essential oil and chemical houses lost upwards of \$20,000, held Oct. 9 before Referee H. K. Davis, an agreement was made to examine the books of the Emerson Chemical Co., New York, insofar as transactions with the bankrupt company were concerned. H. Bennett, head of the Emerson Chemical Co., was the only person examined at the hearing, and was the subject of a stiff cross-examination by Joseph Dannenberg, attorney for the creditors. Mr. Dannenberg stated to the referee that he had subpoenaed the books of the Emerson firm, but that they had not been produced. He then asked the attorney for Mr. Bennett if a representative of the creditors could examine the books at the company's office. The Emerson attorney agreed only to a C. P. A., but after some discussion with the referee, John Reston of the Industrial Chemical Co., New York, a creditor, was agreed upon by both sides.

Attorney Dannenberg in cross-examining Bennett asked him if he had ever used any other name. After some hesitation, Bennett stated that he had had his name changed some time ago. When asked what his former name had been, he refused to give it in the hearing, but agreed to write it on a slip of paper for the creditors' attorney. He was then asked if he had an uncle or any relation by the name of Horowitz. He replied in the negative. Horowitz is said to be the real name of Doone, supposed head of the defunct company. "Did you ever work for the Anderson Chemical Company?" was the next question, which was answered in the affirmative. He denied, however, that he had ever introduced a person named Horowitz at the Anderson Chemical Company, in response to a question by Dannenberg. The hearing closed with the announcement that a meeting of creditors would be held at the referee's office on Oct. 20 at 11.00 a.m. and a trustee would be named.

#### MORGAN GIVES UP B. T. BUSH AGENCY

Clarence Morgan & Co., Chicago, have sent the following announcement to the trade: "Clarence Morgan & Co. announce that on and after Oct. 4th by mutual agreement their representation agreement with Burton T. Bush Inc. will be terminated. This change has come about by reason of the acquisition by the Bush Co. of the Givaudin line and their desire to be more closely in touch with the consuming trade. We wish to assure our friends that this change has come about under the most friendly feeling and we bespeak for the products of Burton T. Bush Inc. your continued kind consideration."

Exports of perfumery and toilet water during August were valued at \$29,898, of which Cuba took the largest quantity, with Mexico taking the second largest amount according to the Department of Commerce. Exports of talcum and other toilet powders for the month were valued at \$166,336; creams, rouges and other cosmetics, valued at \$69,321; dentifrices valued at \$297,899; and of other toilet preparations valued at \$110,973.

William H. Adkins, who for the last three and a half years has been connected with the New York sales staff of Monsanto Chemical Works, St. Louis, has joined the sales department of Burton T. Bush, Inc., New York, manufacturer and importer of essential oils and aromatic chemicals.

## Drug Consuming Industries

### ITTNER ATTACKS PROHIBITION METHODS

Martin E. Ittner, chief chemist of Colgate & Co., in a statement in regard to governmental supervision of industrial alcohol, attacks Wayne B. Wheeler, general counsel of the Anti-Saloon League in Washington, declaring that very little faith can be put in Mr. Wheeler's promise to consult the industries regarding their needs before attempting further legislation. In discussing the Ernst-Wood bill, Mr. Ittner says: "Mr. Wheeler was the most active advocate of this un-American bill, and was probably working on it at the very time he professed his friendship for the industries. This bill provides for a prohibition commissioner nominally responsible to the President, but actually responsible to no court and not even to the President."

The Cramton bill, Mr. Ittner states, is unknown to more than a dozen senators, necessitating holding a public hearing so that the measure may be considered on its merits. He says that Mr. Wheeler and the Anti-Saloon League are against holding hearings on the bill, and want to pass it by short cut methods. Mr. Ittner says:

"They seek through the Cramton bill to interfere unnecessarily with legitimate alcohol users. The industries want their objections heard. On the other hand Wayne B. Wheeler, directing the vote of the Anti-Saloon League by his nod, demands legislation that will increase the power of the office holders who hope

to secure office through the support of his organization. He has merely to make the issue a 'wet and dry' one and regardless of the merits of the matters he rallies to his standards the politicians who seek the support in votes which he is supposed to hold."

The prices of lemon oil in Italy are lower despite the fact that production this year is about normal. The production of orange oil, mandarin, and bergamot has also been small and prices are high. Prices per pound in copper jars f.o.b. Palermo are as follows: Pure oil of lemon, 2s 11d; pure oil of sweet orange, 10s 3d; pure oil of bitter orange, 9s 8d; of bergamot, 16s 7d; and mandarin, 25s 3d.

Dr. P. R. Geiger, Assistant Health Commissioner of Chicago, addressed the Chicago Perfumery, Soap and Extract Association at the meeting Oct. 15 on "A Backward Look for A Forward View."

Ceylon oil citronella is weak in London, and price ranges from 3s. 3d. up to 3s. 8d., according to test. Java oil is scarce at 5s. 7d. to 5s. 9d. per pound.

Exports of citronella from Ceylon for the seven months ending July 31 were 848,702 pounds, compared with 700,854 pounds for a like period in 1923.

### BISMUTH SUBNITRATE


and other  
BISMUTH SALTS


*Samples and Prices  
sent on request*

**The New York Quinine  
& Chemical Works, Inc.**  
152-154 William St., New York

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no higher  
degree of  
purity than  
that which  
is presented  
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DRUG AND FINE CHEMICAL SECTION

### PURITY UNIFORMITY AND RELIABILITY

are a few of the im-  
perative qualities of



## LANOLINE

MANUFACTURERS SINCE 1914

### THE B & W CO.

BOPF & WHITTAM  
ELIZABETH, N. J.

**WILL REDUCE CATALOGUED DRUG ITEMS***(Special to DRUG & CHEMICAL MARKETS)*

Washington, D. C., Oct. 15.—The leading drug and chemical associations have appointed committees to consider reductions in the catalogued products of the drug trade. At the recent meeting of the National Wholesale Druggists Association in Atlantic City, the Department of Commerce was represented by A. E. Foote, of the Division of Simplified Practice, who outlined progress in other trades toward a reduction of waste. As a result of the meeting, a committee was appointed comprising Harvey Robinson of Henry B. Gilpin Co., Baltimore; Walter V. Smith, of Valentine H. Smith & Co., Philadelphia; and H. D. Cowan of Plimpton Cowan Co., Inc., Buffalo, N. Y., to represent the wholesale drug trade. The American Drug Manufacturers Association had named a catalog simplification committee headed by Eli Lilly of Eli Lilly & Co., of Indianapolis, to work along similar lines. At the recent meeting of the National Association of Retail Druggists in Washington considerable interest was shown in progress of simplification outlined by E. W. Ely of the Division, and the officers and executive committee are likewise following up the matter.

These committees will meet next month. The Domestic Commerce and Chemical Divisions of the Department of Commerce are co-operating in the work.

Ungerer & Co. have purchased the five-story and basement building, No. 228 W. 20th st., and increased their floor area almost 100 per cent. The building was valued at \$140,000. Ungerer & Co. are located at 124 W. 19th st.

**Books of Trade Interest**

**THE STRUCTURE OF CRYSTALS.** By Ralph W. G. Wyckoff. American Chemical Society Monograph Series. 420 pages. The Chemical Catalog Co., New York 1924.

This monograph is intended to give in Part I the opinion of the author on crystal analysis as it now exists, and is not a handbook in the sense of providing an account of all of the various methods of crystal structure study which often have been proposed. All tools that are available are described, but the different ways of using them are not. The purpose of the second part is to treat all existing diffraction data from the point of view outlined in Part I. This is not done in an entirely satisfactory manner, partly because of the limit to time and space, and partly because of the labor involved in reworking the published data from this standpoint, and partly because sufficient data has not been published in a number of instances.

**WHAT A SALESMAN SHOULD KNOW ABOUT FINANCE.** By J. C. Aspley, editor of "Sales Management" magazine; 123 pages; Dartnell Corporation, publishers.

The eighth of a series of manuals for salesmen which emphasizes the importance of thrift and suggests ways of stopping little money leaks and ways of saving money. The author has attempted to bring home the "old age" problem to his readers before it is too late.

Parfumes Hebe, New York, has increased its capital stock from 1,000 shares preferred to 5,000 shares preferred, \$100 each; and from 5,000 shares common to 50,000 common, no par value.

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**Sulphate — Bisulphate**  
 Manufactured by  
**Hoshi Pharmaceutical Co.**  
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# Prices Current of Fine and Heavy Chemicals, Drugs, Essential Oils, Dyestuffs and Oils

**CLASSIFICATION**—Prices quoted herein are listed in the following groups: **Chemicals**, including heavy and technical chemicals, fine and medicinal chemicals, aromatic chemicals and isolates, crudes and intermediates from coal-tar, various fine alkaloids and miscellaneous products; **Crude Drugs, Essential Oils**, including oleoresins; **Fatty Oils**, including Animal, Vegetable and Fish Oils, Greases, Fats, and Tallow; **Tanning and Dye Extracts**, including miscellaneous natural tanning woods, extracts, etc. All groups are arranged in straight alphabetical order.

**Packages**—Prices are for large quantities in original packages of the customary trading units of weight or measure. A container given in connection with a price does not necessarily mean that this is the quantity on which the price is based. Containers named are the original packages most commonly sold in this market.

**QUOTATIONS**—Chemical prices quoted herein are those of American manufacturers unless otherwise specified. Quotations on imported chemicals are so designated. Where resale or "second hand" stocks of any chemical products are sufficient to be considered a factor in determining the market, prices for goods in this class will be quoted in addition to makers' prices available, and indicated as such. Chemical prices quoted herein are for goods spot New York or Metropolitan

District, f. o. b. or ex-store, for immediate shipment, unless otherwise specified. Numerous domestic made heavy or industrial chemical products are sold principally on a basis of f. o. b. works, and are thus quoted in the list herein, each instance of a "works" price, however, being specified as such.

Fatty Oils prices quoted herein are for goods spot New York unless otherwise noted; f. o. b. mills and Coast prices being designated as such. Crude Drugs and Essential Oils are quoted f. o. b. New York (Manhattan with limitations) for immediate shipment. Tanning and Dye Extracts are quoted spot New York unless otherwise noted.

**WEIGHTS AND MEASURES**—All quotations are made on a basis of avoirdupois pounds and ounces, and American gallons. The following equivalents are given for the reference of exporters, importers, and foreign buyers:

1 Imperial Gallon (British)	—1.20	American Gallons
1 American Gallon	— .833	Imperial Gallon
1 American Gallon	—3.79	Liters
1 Liter	— .264	American Gallon
1 American Gallon (Water)	—8.35	Pounds
1 Pound (Avoirdupois)	— .454	Kilogram
1 Kilogram	—2.20	Pounds

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## Chemicals

ACETANILID, tech. 150 lb bbls...	.26	.28
100 lb kgs...	.27	.30
USP 200 lb bbls...	.32	.36
Second Hands...	.34	.35
Acetic Anhydride...	...	...
85-89%, 101 lb cys...	...	.40
90-95%, 100 lb cys...	...	.43
C.P. 100 lb cys...	...	.50
Acetone, CP 700 lb drs. c/l wis...	.18	.17
700 lb drs. 1c/l wis...	.16 1/4	.18
350 lb drs. 1c/l wis...	.16 1/4	.18
Second Hands, spot...	.16 1/4	.17 1/4
Acetone, 100 gal. drums...	...	.35
Acetone Oils, light, drs. wis...	1.40	1.45
Heavy, drs., wis...	1.40	1.45
Acetophenetidin, 150 lb bbls...	1.85	1.90
Acetyl Chloride, 100 lb cys...	.40	.41
ACID, 1, 2, 4, 350 lb bbls...	...	1.30
Acetic, 28%, 400 lb bbls, c/l wis...	...	2.12
28%, 1c/l wis...	...	2.37
50%, c/l wis...	...	5.85
50%, 1c/l wis...	...	6.10
70%, bbls, c/l wis...	...	7.20
70%, 1c/l wis...	...	7.45
80% coml. bbls, c/l wis...	...	8.19
80% coml. 1c/l wis...	...	8.44
80% pure bbls, c/l wis...	...	9.98
80% pure 1c/l wis...	...	10.23
Glacial, bbls, c/l wis...	...	11.01
Glacial, 1c/l wis...	...	11.26
Glacial USP cys, wis...	...	11.76
Acetylmaleic, 250 lb bbls...	.75	.85
Second Hands...	.73 1/4	.75
Anthranilic, tech., drs...	...	.94
90-100%, 100 lb drs...	...	1.00
Benzole, tech. 100 lb bbls...	...	.75
Tech. ton lots bbls...	...	.70
USP, 100 lb bbls...	.75	.85
Second Hands...	.70	.74
Boric, crys. powd. 250 lb bbls...	...	.09 1/4
Kegs, 100 lb...	.10	.10 1/4
Bromine, 250 lb bbls...	...	1.25
Butyric, 60% pure 5 lb bot...	.40	.50
C.P. 10 lb bot...	1.25	1.50
Camphoric, USP, VIII 1 lb bot...	5.90	6.00
Carbonic, USP crys., see also Phenol	...	...
112 lb tins...	.26	.27
25 lb tins...	.28	.29
5 lb tins or bot...	.30	.32
1 lb bot...	.35	.36

### Acid Carbolle—(continued)

Liquid USP, 1 lb bot...	.34	.35
Crude, 25% 50 gal. bbls...	.33	.35
10%, 50 gal. bbls...	.37	.39
Carbonic, see Carbon Dioxide	...	...
Chloracetic...	...	...
mono 100 lb bbls, wis...	...	.25
Di, 150 lb cys wis...	...	1.00
Tri, 425 lb bbls, wis...	...	2.50
Chloroacetic, 150 lb drs...	...	...
wis...	.18	.26
Chromic, USP 200 lb drums...	...	.40
85% Pure, 200 lb drums...	...	.35
Chromotropic, 300 lb bbls...	...	1.35
Chrysanthic, see Chrysarobin	...	...
Cinnamic, 5 lb cans...	...	3.93
CITRIC, USP crys. 230 lb bbls...	...	.46
Powd., USP, 200 lb bbls...	...	.47
Imported, crys. 112 lb kegs...	.45 1/4	.46
Single kegs...	...	.47
Cleaves, 250 lb bbls...	1.00	1.10
Cresylic, 95% dark dr. NY...	.63	.65
97-99% pale, dr. NY...	.65	.75
Crude, spot, drums...	.55	.60
Diethylbarbituric, Dom., 25 lb lots...	...	...
1 lb bot...	10.00	12.00
Imp. 10 lb lots...	3.50	3.75
Formic 85% tech. 140 lb cys...	.11 1/4	.12
90%, 80 lb cys. incl...	.12	.12 1/4
Galle, USP, 150 lb bbls...	...	.70
Gamma, 225 lb bbls, wis...	...	1.50
Glycerophosphoric, 25% 1 lb b...	1.85	1.95
H 225 lb bbls wis...	.72	.75
Hydroiodic, 10% USP 5 lb bot...	...	.75
Hydrobromic, 45% coml. 155 lb cys...	...	...
45% coml. 10 cys. wis...	.35	.40
40% USP 155 lb cys. wis...	.45	.46
10% USP 100 lb cys. wis...	.11	.13
Hydrochloric, see also Acid Muriatic	...	...
CP, USP, 110 lb cys...	.08	.11
HYDROFLUORIC, 30% 400 lb bbls...	...	...
wis...	...	.07
30% bbls, c/l wis...	...	.06
30% 100 lb cys. wis...	...	.07
45% single 100 lb cys. wis...	...	.11
45% 10 cys. wis...	...	.10
52% 100 lb cys. wis...	...	.14
52% 10 cys. wis...	...	.11

### Acid, hydrofluoric—(continued)

60% 100 lb cys., wis...	...	.14
60% 300 lb dr., wis...	...	.13
White Acid, 100 lb cys. wis...	...	.26
White Acid, 10 cys. wis...	...	.25
Hydrofluosulfic, 35% 450 lb bbls...	...	...
wis...	...	.13
Hypophosphorous, USP 30% 5 gal. demis...	...	.85
USP, 10% 5 gal. demis...	...	.30
LACTIC, 22% dark 500 lb bbls...	.05	.05 1/4
22% light bbls...	.06	.06 1/4
44% dark, bbls...	.10 1/4	.11
44% light, bbls...	.12 1/4	.13
66% bbls, dark, bbls...	.16 1/4	.17
66% light, bbls...	.26	.26 1/4
USP IX 100 lb cys...	...	.75
USP VIII 100 lb cys...	...	.70
Laurent's, 250 lb bbls...	...	.90
Metanlic, 250 lb bbls...	.60	.65
Mixed, sulfuric-nitric	...	...
Drums, wis...	N Unit	.07 1/4
Drums, wis...	S Unit	.01
Tank cars, wis...	N Unit	.06 1/4
Tank cars, wis...	S Unit	.009
Molybdic, 85% pure 100 lb kegs...	1.25	1.60
100% C.P. 100 lb kegs...	2.00	2.10
Monosulfonic F, Delta, 50 lb tins...	...	2.30
MURIATIC, 20° cys. 1c/l wis...	1.35	1.75
Cys. c/l wis...	1.20	1.25
Tank cars, wis...	1.00	1.10
18°, 120 lb cys.	...	...
c/l wis...	1.00	1.10
Tank cars, wis...	...	...
22°, 120 lb cys.	...	...
c/l wis...	1.75	2.00
Iron, free 20° cys.	...	...
c/l wis...	...	...
Tank cars, wis...	...	...
Muriatic, CP & USP, see Acid Hydrochloric	...	...
Naphthilonic, tech. 250 lb bbls...	...	.62
Refined, single bbls...	...	.65
Nerile & Winter's, 250 lb bbls...	1.05	1.10

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## Chemicals

<b>ACID, Nitric, 38° 135D</b>			<b>ACID, Sulfuric</b>			<b>ALCOHOL—(continued)</b>		
le/l chys. wks....100D	4.75	5.25	le/l wks. ....100D	1.50	1.75	Isopropyl, crude 50 gal. drs...gal.	...	4.50
Chys. c/l wks....100D	4.50	4.75	Drums, c/l wks....100D	1.25	1.50	Refined, 90% 50 gal. drs...gal	6.90	6.95
38° le/l chys. wks....100D	5.25	5.75	Tank cars, wks....net ton	17.00	18.00	Ref'd, 99% drs ....gal	8.75	8.85
Chys., c/l wks....100D	5.00	5.25	Contract cars, wks....ton	...	...	Methyl, see Alcohol, Wood		
40° le/l chys. wks....100D	5.75	6.00	Oilum, 40% drs le/l wks.net ton	...	40.00	Propyl, nml. crd. 50 gal. drms.gal	...	4.40
Chys., c/l wks....100D	5.50	5.75	Oilum, 60% drs., le/l wks. net	ton	60.00	Refined, 1C D cans.....D	...	.75
42° le/l chys., wks....100D	6.25	6.75	Sulfurous, USP 6% 100D chys.D	.05	.06	Denatured		
Chys., c/l wks....100D	6.00	6.25	4% 100D chys.....D	.04	.05	No. 1 Complete Denat. 188 Proof		
C. P. chys. single wks....100D	.13	.16	USP, 5 gal. demis.....D	.06	.08	50 gal. bbl. incl.....gal	.85%	.67½
Oxalic, 300D bbls., wks....D	.09½	.09%	Tannic, tech. 300D bbls....D	.30	.40	50 gal. drums, extra.....gal	.58½	.60½
Bbls., NY .....D	.09%	.10	USP, powd 200D bbls....D	.75	.80	No. 1 Special Denat. 190 Proof		
Keps, 100D NY .....D	.10½	.11	USP, fluffy, 50D bbls....D	.75	.80	50 gal. bbl. incl.....gal	.64½	.66½
Imp., 560D casks.....D	.09½	.09%	Tartaric, USP cryst 300D bbls..D	...	.29	50 gal. drums, extra.....gal	.57½	.59½
Phenylcinchonine, domestic...D	8.50	9.00	USP, powd. 300D bbls. D	...	.29	No. 5 Complete Denat. 188 Proof		
Imported, 5 lbs.....D	7.00	7.25	Imp. USP, 240D bbls....D	.26	.27	50 gal. bbls. incl.....gal	.63½	.65½
Phosphoric, 50% tech. 100D			Pow. 240D bbls.....D	.26	.27	50 gal. drums, extra.....gal	.56½	.58½
chys. ....D	.09	.10	Tobias, 250D bbls.....D	.90	.95	No. 6 Complete Denat. 188 Proof		
USP, Syrupy 85°, 70D.			Tungstic, 100D keps.....D	...	1.00	50 gal. bbls. incl.....gal	.62½	.64½
demis .....D	.16	.17	Valerie, C.F., 10D bot.....D	2.50	2.75	50 gal. drums, extra.....gal	.55½	.57½
Imported .....D	...	...	Acetiline Alk. cryst 1 cu. vis. oz	...	30.00	In addition to the regular authorized formulae for completely denatured alcohol, some 75 formulae for specially denatured alcohol are authorized for special uses. Owing to the limitations of their uses however, prices are quoted by the alcohol producers only to holders of permits allowing the use of specially denatured formulae in products authorized by the Dept. of Internal Revenue.		
Phthalic, see Phthalic Anhydride			Amorphous, 1 cu. vis.....cu	...	20.00	Aloin, USP, 100D cans.....D	.86	.88
Picramic, 300D bbls.....D	...	.65	Adeps Lanse, hydrous 350D bbls. D	.15	.21	Alpha-Naphthol crude 300D bbls.D	...	.65
Picric, 450E bbls.....D	...	.80	Anhydrous, 350D bbls.....D	.18	.23	Refined .....D	...	.80
Bbls. car lots wks.....D	.20	.25	Albumen Egg, edible.....D	1.30	1.35	Alpha-Naphthylamine, 350D bbls. D	.35	.37
Pyrogallic, crys. 5D cans....D	1.25	1.30	Blood.....D	.45	.50	Ton lots, bbls. wks.....D	...	.35
Resublimed, 5D cans.....D	1.55	1.65	Vegetable.....D	.60	.70			
Tech. powd., 200D bbls.....D	...	.85	Technical, see Dyers Sundries					
Salicylic, tech., 125D bbls....D	.32	.35	ALCOHOL, USP 190 pf. 50 gal.	4.92	5.01			
USP, 100D bbls.....D	...	.35	bbls. ....gal	...	...			
Second Hands .....D	.32	.33	Second Hands, bbls, USP 190	...	...			
Sulfanilic, 250D bbls.....D	.16	.20	pf. ....gal	...	...			
SULFURIC, 66° 180D chys.			Export, USP, 190 pf.....gal	.55	.85			
le/l wks. ....100D	1.35	1.75	Cologne Spirit, 50 gal. bbls.gal	5.00	5.10			
Chys., c/l wks....100D	...	1.35	WOOD, see Methanol					
1500D Drums, le/l			Alcohols also in 50 gal.					
wks. ....100D	...	1.25	drums extra and returnable.					
Chys., c/l wks....100D	...	1.10	Amyl, see Oil Fuel					
Tanks cars, wks....net ton	14.00	15.00	Rutyl, 50 gal. drums, wks....D	...	.32			
60° 1500D Drums			Tank cars, wks.....D	...	.30			
le/l wks. ....100D	.75	1.00	Isobutyl, crude 50 gal. drums.gal	...	...			
Drums, c/l wks....100D	.65	.75	Refined, 10 D can .....D	1.10	1.20			
Tank cars, wks....net ton	8.00	10.00						
C. P. 175D chys....100D	.08	.09						

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Mixed Acids	Hydrofluoric Acid	Sodium Phosphate

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## Chemicals

<b>ALUM.</b> , ammonia, lump 400 lb. bbls.			<b>AMMONIA</b> anhyd 100 lb. cyl. . . . .	.30	<b>AMMONIUM</b> —(Continued)		
Wks. . . . . 100 lb.	3.50	: 3.65	Water, 26° 800 lb. drs. wks. . . . .	.06%	Permulfate, 112 lb. cases. . . . .	.35	: .40
Imp., 500 lb. casks. . . . . 100 lb.			Drs. e/l wks. . . . .	.06%	Phosphate, dibasic 200 lb. bbls. . . . .		: .38
Ground, 400 lb. bbls. wks. 100 lb.	3.65	: 3.75	C.P., cbs. . . . .	.11	Tech. powd 325 lb. bbls. . . . .		: .19
Powd., 380 lb. bbls. wks. 100 lb.	3.90	: 4.00	Imp., 800 lb. drs. incl. spot. . . . .	.06%	Phosphate, mono, 325 lb. bbls. . . . .		: .12%
Chrome 500 lb. cks. wks. 100 lb.	5.50	: 6.00	26° 100 lb. cbs. le/l wks. . . . .	.07%	Sulfate, USP 100 lb. kegs. . . . .	.70	: .75
Potash, lump 400 lb. bbls.			Cbs. e/l wks. . . . .	.07%	Sulfate, bulk e/l wks. . . . . 100 lb.	2.50	: 2.65
Wks. . . . . 100 lb.		: 4.50	20° 800 lb. drs. le/l wks. . . . .	.05%	200 lb. single bgs. e/l wks. 100 lb.		: 2.75
Bbls. e/l wks. . . . . 100 lb.		: 4.25	Cbs. le/l wks. . . . .	.06%	200 lb. double bgs., f.a.s. 100 lb.		: 2.65
Cont. bbls. e/l wks. . . . . 100 lb.		: 4.25	18° 800 lb. drs. le/l wks. . . . .	.04%	Sulfocyanide, tech. 100 lb. kgs. . . . .	.50	: .60
Imp. 650 lb. cases s.p. . . . . 100 lb.	3.00	: 3.50	Cbs. le/l wks. . . . .	.05%	"P 25 lb. jars . . . . .	.40	: .70
Ground, 400 lb. bbls. wks. 100 lb.	4.35	: 4.60	16° 800 lb. drs. le/l wks. . . . .	.04%	Amyl Acetate, tech. 50 gal. drs. gal.	3.00	: 3.15
Imp. 650 lb. casks. . . . . 100 lb.	2.75	: 3.00	Cbs. le/l wks. . . . .	.05%	Refined, 50 gal. drums. . . . . gal.	3.60	: 3.75
Powd., 380 lb. bbls. wks. 100 lb.	4.50	: 4.75	Ammonium Acetate, 100 lb. kegs. . . . .	.37	Alcohol, see Fuel oil		
Chrome, 700 lb. cks. wks. 100 lb.	5.50	: 6.00	Benzonate, USP, 1 lb. bot. . . . .	.90	<b>ANILINE OIL.</b> 900 lb. drs. . . . .	.16	: .17
Soda grd. 400 lb. bbls. wks. 100 lb.		: 4.00	Bifluoride, 300 lb. bbls. . . . .	.22	Aniline Salt, 200 lb. bbls. . . . .	.18	: .22
Bbls. e/l wks. . . . . 100 lb.		: 3.80	100 lb. kegs. . . . .	.23	Anthracene, 80-85%, 600 lb. casks		
<b>Aluminum</b> , metal, e/l NY. . . . . 100 lb.	27.00	: 28.00	Bromide, 50 lb. boxes . . . . .	.44	Wks. . . . .	.80	: .85
Chloride, anhyd. 275 lb. drs. . . . .	.20	: .22	Imported, 112 lb. boxes. . . . .		28-30%, Imp. . . . .	.02	: .02%
Crystals, 375 lb. bbls. . . . .		: .06%	Carb., tech. 560 lb. casks. . . . .	.08%	Anthraquinone, subd 125 lb. bbls. . . . .	1.00	: 1.15
30% sol. 120 lb. cbs. . . . .	.03%	: .04	Powd. tech 385 lb. bbls. . . . .	.09	Antimony metal, slabs ton lots. 100 lb.		: .11%
Hydrate 96% light 90 lb. bbls. . . . .	.17	: .18	USP, lump, 100 lb. kegs. . . . .	.12%	Needle Powd., 100 lb. cases. . . . .	.08%	: .09
Heavy 82-84%, 220 lb. bgs. . . . .	.06	: .06%	Powd., 100 lb. kegs. . . . .	.11%	<b>ANTIMONY CHLORIDE</b> , anhyd 1000 lb.		
400 lb. bbls. wks. . . . .	.06%	: .07	Chloride, Domestic		drs. . . . .	.35	
<b>SULFATE</b> , Iron-free bags e/l			White, 250 lb. bbls., e/l. . . . .	.07%	50 lb. corks. . . . .	.45	: .48
Wks. . . . . 100 lb.	2.25	: 2.40	250 lb. bbls., le/l wks. . . . .	.07%	Sol'n, 130 lb. carboys 33° . . . . .		: .06
Imported, spot . . . . . 100 lb.	2.00	: 2.25	Imp. wh 250 lb. casks spot. . . . .	.06%	Oxide, 500 lb. bbls. . . . .		: .10
Comm'l., 1/4% iron. bgs e/l			Gray 250 lb. bbls. wks. . . . .	.08	Salt, dom. 500 lb. bbls. . . . .	.24	: .25
Wks. . . . . East 100 lb.		: 1.35	Bbls., e/l wks. . . . .	.07%	Imp., NY . . . . .	.18	: .19
Cont. bgs. e/l wks. E. 100 lb.	1.30	: 1.35	Imp. grav 250 lb. casks. . . . .	.07%	Sulfuret golden 500 lb. bbls. . . . .		: .21
Bags, e/l wks. W. . . . . 100 lb.		: 1.30	Lump, 500 lb. casks spot. . . . .	.12%	336 lb. kegs. . . . .		: .19
Bbls., e/l wks. East 100 lb.		: 1.50	Ichthyolate, as to brand. . . . .	4.85	Crimson, 500 lb. bbls. . . . .		: .38
Bulk, e/l cont. wks. E. 100 lb.		: . . .	Iodide, USP, 25 lb. jars. . . . .	.15	336 lb. kegs. . . . .		: .45
amidol. (see Diaminophenol)			Lactate, 500 lb. bbls. . . . .	.15	Tartrochlorate, 500 lb. bbls. . . . .		: .45
Amidopyrine, Imp. 10 lb. boxes. . . . .	4.35	: 4.50	Nitrate, tech. crys. 225 lb. bbls. . . . .	.21	Antipyrine, USP, 100 lb. cases. . . . .	1.95	: 2.00
Domestic, 10 lb. boxes . . . . .		: 4.60	CP gran. 100 lb. kegs. . . . .	.35	Apomorphine Hydrochloride, 1/4 oz. via. os. . . . .		: 22.75
Ammonioacetate, 110 lb. kegs. . . . .		: 1.15	Oxalate, pure, 100 lb. kegs. . . . .	.40	Areoline Hybromide, 1 oz. vial. . . . .	6.25	: 7.82
					Argols, red powd. 350 lb. bbls. . . . .	.06	: .07

# GRASSELLI GRADE

*A Standard Held High for 85 Years*

## SNOW CAP BRAND Zinc Oxide

This low lead content pigment (5 per cent) is noted for the excellence of the results it gives.

## GRASSELLI WHITE Lithopone

Brilliant white; highly resistant to exposure; neutral; opaque.

## TOMAHAWK BRAND Zinc Oxide

This 35 per cent leaded brand is uniformly consistent, permitting positive formulae standardization.

## THE GRASSELLI CHEMICAL CO.

Established 1839 - - Cleveland, Ohio

New York Office and Export Office:

347 Madison Ave., Cor. 45th St., New York City

Branches  
 Albany      Birmingham      Boston      Chicago      Cincinnati      Detroit      Milwaukee  
 New Haven      New Orleans      Paterson      Philadelphia      St. Louis      St. Paul



PRICES CURRENT SECTION

## Chemicals

Arsenic, metal, 220 lb kegs.....lb			...	...	.45
Red, 224 lb kegs cases.....lb			.15	:	.15%
White, 220 lb cases to 550 lb bbls., NY.....lb			.06%	:	.07
Asbestine.....ton			18.00	:	18.00
Aspirin, see Acid acetylsalicylic					
Atropine, Alk. USP, 1 oz. vial.....oz			5.00	:	5.57
Sulfate, 5 oz. cans.....oz			...	...	2.75
Single ounce.....oz			...	...	2.92
<b>BARIUM BINOXIDE, see Barium chloride</b>					
Carbonate, precip., 800 lb bbls.					
wks.....ton			65.00	:	70.00
Precip., 200 lb bbls., wks.....ton			64.00	:	68.00
Imports, bbls. spot.....ton			55.00	:	60.00
Chloride, 800 lb bbls., wks.....ton			80.00	:	85.00
200 lb bbls., wks.....ton			78.50	:	83.50
Imports, bbls. spot.....ton			72.00	:	74.00
Dioxide, 88-89% 600 lb drs.....lb			.17	:	.18
Imports, 86-88% 400 lb drs.....lb			...	...	.15
Hydrate, 500 lb bbls.....lb			...	...	.05
Iodide, 5 lb box.....lb			...	...	5.15
Nitrate, 700 lb casks.....lb			...	...	.10
Imports casks.....lb			.07%	:	.08
Sulfocyanide 400 lb bbls.....lb			...	...	.35
Barytes, floated 350 lb bbls wks ton			23.00	:	26.00
Imports.....ton			22.00	:	23.00
<b>Bay Rum, Porto Rican, genuine</b>					
Medicated salicyl. acid or tartar emetic					
45 gal. bbls.....gal			1.10	:	1.20
Medicated quinine sulf. 45 gal. bbls.....gal			1.10	:	1.20
Domestic synthetic, 50 gal. bbls.....gal			.90	:	1.00
<b>St. Thomas</b>					
Medicated salicyl. acid or tartar emetic, 50 gal. bbls.....gal			1.10	:	1.20
Benzaldehyde, tech. 945 lb drs.					
wks.....lb			.70	:	.75
USP, 40 lb chys.....lb			1.40	:	1.50
FFC, 40 lb chys.....lb			1.50	:	1.65
<b>BENZENE, 90% 8000 gal. tanks</b>					
wks.....gal			...	...	.23
110 gal. drs., wks.....gal			...	...	.28
Pure Tanks, wks.....gal			.25	:	.26
110 gal. drs. wks.....gal			.30	:	.31
<b>Benzidine Base, dry 250 lb bbls. lb</b>					
Benzidine Sulfate, paste 350 lb bbls.....lb			.70	:	.72
<b>Benzol, see Benzene</b>					
Benzonaphthol, 5 lb boxes.....lb			3.50	:	3.60
Benzoyl Chloride, 500 lb drs.....lb			...	...	1.00
Benzyl Acetate, 100 lb chys.....lb			1.55	:	1.75
Alcohol, 5 lb bot.....lb			1.45	:	1.55
Benzosate, 5 lb bot.....lb			1.80	:	1.75
Medicinal FFC.....lb			1.75	:	2.00
Chloride, 95% tech. 923 lb drs.....lb			...	...	.25
100 lb chys.....lb			.25	:	.30
Redistil. 160 lb chys.....lb			.40	:	.45
Formate, 1 lb bot.....lb			3.00	:	3.25
Berberine Hydrochloride, 1 lb bot.....lb			...	...	22.50
Sulfate, acid or neut. 1 lb bot.....lb			...	...	22.00
<b>BETA-NAPHTHOL, 350 lb bbls, wks. lb</b>					
Carlots, wks.....lb			...	...	.24
Sublimed.....lb			.55	:	.60
Beta-Naphthylamine, tech. 200 lb bbls.....lb			.65	:	.67
Sublimed, 200 lb bbls.....lb			...	...	1.35
<b>Bichloride Mercury, see Mercury Bichloride</b>					
BISMUTH metal, 150 lb cases.....lb			...	...	2.00
Second Hands.....lb			...	...	2.00
Ammon. Citrate, USP 5 lb bxs.....lb			...	...	5.60
Betanaphtholite, 5 lb bxs.....lb			...	...	3.15
Citrate, USP 5 lb bxs.....lb			...	...	2.85
Nitrate, 25 lb jars.....lb			...	...	1.90
Oxychloride, 25 lb bxs.....lb			...	...	3.30
Phenolsulfonate, 5 lb cans.....lb			...	...	3.00
Salicylate, 25 lb bxs.....lb			...	...	1.85
Subcarbonate, USP, 25 lb bxs.....lb			...	...	3.20
X-Ray diag. 1 lb bot.....lb			...	...	3.73
Subgallate, USP, 25 lb bxs.....lb			...	...	2.65
<b>BISMUTH—(Continued)</b>					
Subiodide, 5 lb lots.....lb			...	...	4.50
Subnitrate, USP, 25 lb jars.....lb			...	...	2.70
Second Hands.....lb			...	...	2.60
Cones, 1 lb. bot.....lb			...	...	3.89
Subsulfate, USP, 175 lb bbls.....lb			...	...	2.95
Tannate, 1 lb bot.....lb			...	...	2.62
above on basis 25 lb lots.					
Smaller lots at an advance.					
Blanc Fixe, dry 400 lb bbls. wks. ton			75.00	:	80.00
Imports, bbls.....ton			70.00	:	72.00
Paste, 650 lb bbls.....ton			50.00	:	55.00
<b>BLEACHING POWDER, 700 lb drs.</b>					
c/l wks.....100 lb			...	...	1.90
Drums lc/l ex-warehouse.....100 lb			2.35	:	2.60
Contract, c/l wks.....100 lb			1.90	:	2.15
Drums, lc/l wks.....100 lb			2.05	:	2.30
Imports, spot.....100 lb			...	...	...
<b>Blue Ointment, see Mercury</b>					
<b>Moss, see Mercury</b>					
Bone Ash, 100 lb kegs.....lb			.06	:	.07
Black, 200 lb bbls.....lb			...	...	.06
Borax, USP, crys. 400 lb bbls.....lb			.05	:	.05%
Powdered, USP, 300 lb bbls.....lb			.05	:	.05%
Kegs, USP, 100-150 lb.....lb			.05%	:	.05%
Bordeaux Mixture, 10% pd. bbls. lb			.11%	:	.18
Paste, bbls.....lb			.08	:	.70
Borleol. 1 lb bot.....lb			...	...	3.50
<b>Bromide, see potass. bromide, etc.</b>					
Bromine, bot in 60 lb cs. wks.....lb			...	...	.39
Bromobenzene, 600 lb drums.....lb			.40	:	.42
Bromoform, USP 5 lb bot 50 lb cs. lb			...	...	1.65
Brucine Sulfate, 100 oz.....oz			.15	:	.35
<b>Butter of Antimony, see Antimony Chloride</b>					
<b>CADMIUM, metal 100 lb bxs.....lb</b>					
Bromide, 50 lb cases jars.....lb			...	...	1.20
Iodide, 10 lb bot.....lb			...	...	4.45
Sulfide, cs.....lb			1.50	:	1.60

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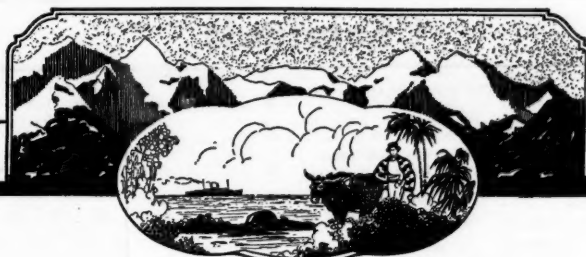
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Glauber Salts  
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Potash Carbonate  
Cream of Tartar

Pyridine  
Soda Chlorate  
Soda Fluoride  
Soda Peroxide  
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Potash Chlorate

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## Chemicals

CAFFEINE ALK, USP 5 lb cans..D	3.50	: 3.75
Second Hands .....	3.40	: 3.45
Hydrochloride, 1 lb bot.....D	6.05	: 6.55
Sulfate, 1 lb bot.....D	5.40	: 5.90
Citrate, 25 lb cans.....D	2.90	: 3.10
Hydrobromide, 1 lb bot.....D	4.55	: 4.90
CALCIUM Acetate, 150 lb bgs, c/l		
100 lb .....	3.00	
Arsenate, 100 lb bbls. c/l wks. D	.08	: nom.
Bromide, 100 lb cs.....D		: .50
Carbide, 220 lb dr. c/l wks.....D		: .04%
Drums, 1c/l wks.....D		: .05
Carbousate, tech. 100 lb bags		
c/l .....	1.00	: 1.10
USP, precip. 175 lb bbls.....D		: .04
Chloride solid, 650 lb dra. c/l		
f.o.b. NY .....	24.50	
Imp. shipment .....	21.00	: 21.50
Gran., 350 lb dra. c/l f.o.b.		
NY .....	30.50	
Flake 350 lb dra. c/l dra. f.o.b.		
NY .....	30.50	
Anhyd 350 lb dra f.o.b NY D	.13	: .30
Glycerophosphate, 250 lb bbls..D		: 1.40
Hydrate, (see Lime)		
Hypophosphite, USP, 25 lb cans D	.60	: .65
Iodide, 5 lb bot.....D		: 4.40
Lactate, tech. 500 lb bbls.....D		: .13%
U.S.P. ....	.50	: .60
Nitrate, 220 lb bbls, c/l NY ton		: 40.00
Phosphate, tech. 350 lb bbls..D	.09	: .10
Phosphate, precip. trihydrate 200		
lb bbls, wks.....D	.11	: .14
Phosphate, mono, 325 lb bbls..D	.07	: .08
Sulfocarbonate, 100 lb bags....D	.55	: .57
Calomel, see Mercury		

CAMPHER, Amer. ref. 250 lb		
bbls. ....	.80	
2 1/2 lb slabs, 100 lb cs.....D		: .81%
1 lb cakes, 100 lb cs.....D		: .81%
1 oz tab., 1 lb ctms.....D		: .85%
100 lb cs.....D		: .86
1/2 oz tab., 1 lb ctms.....D		: .86
100 lb cs.....D		: .86
Jap. ref., 2 1/2 lb slabs, 100 lb		
cs.....D	.68	: .69
1 oz tab., 100 lb cs. 1 lb		
tlms.....D	.80	
1/2 oz tab., 100 lb cs. 1 lb		
tlms.....D	.83	
Chinese ref. 2 1/2 lb slabs 100 lb		
cs. D.....D		: .
Crude, 100 lb cs.....D	.58	: .60
Camphor, Monobrom., 100 lb cs..D	1.75	: 1.85
Caramel, 50 gal. bbls.....gal		: .70
Carbazol, 250 lb bbls.....D		: .50
Carbon Bisulfide, 500 lb dra. 1c/l NY D		: .06%
c/l drums, NY.....D		: .06
Carbon Black, 12 1/2 lb bags....D	.09	: .10
Carbon Dioxide, Liquid, 20-25 cyl. D		: .06
Carbon Tetrachloride, 1400 lb dra.		
NY .....	.06%	: .06%
Drums, c/l NY.....D		: .06%
700 lb dra. single NY.....D	.07	: .07%
Carmin, No. 40 5 lb boxes....D	4.75	: 4.85
Casein, edib., 100 lb keg.....D		: .45
Technical, 200 lb bbls.....D	.10%	: .11%
Castoreum, 1 lb boxes.....D	4.00	: 4.50
Castor Oil, USP 50 gal. bbls....D		: .17
Cases, 50 lb 2 tins.....D		: .18
Tech see Fixed Oils		
Caustic Potash, see potash, caustic		
Soda, see soda, caustic		
Cellulose Acetate, 100 lb cases..D	1.75	: 2.00
Cerium Oxalate, USP 100 lb kgs D	.35	: .38

Chalk, drop 175 lb bbls.....D		: .03%
Precip. light 250 lb cks.....D	.04%	: .04%
Precip. heavy 500 lb cks.....D	.03%	: .04
Bulk .....	5.00	: 8.00
Precip. English, 7 lb bags.....D		: .07%
Charcoal, Bone, see bone black		
Wood, powd. 100 lb bbls.....D	.04	: .05
Willow, powd. 100 lb bbls.....D	.06	: .07
China Clay, Dom., crude.....ton	6.00	: 8.00
Washed & Ground .....	8.00	: 15.00
Imp., Filler Clay .....	12.00	: 15.00
Coating .....	18.00	: 20.00
Chloral Hydrate, USP 100 lb drs..D	.75	: .80
25 lb jars .....	.83	: .85
Chinidin, 140 lb drs.....D		: .40
Chloramine-T, 5 lb bot.....D	1.25	: 2.50
Chlorosane, 5 lb bot.....D	.55	: .75
Chlorhydrin Ethylene anhyd. 500 lb		
dra., .....	.75	: .85
40% soln 100 lb cys.....D	.35	: .50
CHLORINE, Liquid 2000 lb cyl.		
c/l wks.....D		: .04%
Tank car lots, wks. Contract. D		: .04%
100 lb cyl. c/l .....		: .05%
100 lb cyl. 1c/l wks.....D		: .07%
100 lb cyl. 1c/l ex-warehouse..D	.08	: .09
Chlorobenzene, mono. 1000 lb dra.		
wks.....D	.10	: .11
Drs, c/l wks.....D	.08	: .08%
Tank car lots wks.....D		: .08
CHLOROFORM, USP 50 lb dra..D		: .35
Second Hands, 650 lb dra.....D	.32	: .38
Technical, 650 lb drums.....D	.31	: .32
Chlorophyll, Oil Sol.....D	2.50	: 2.75
Water Sol.....D	3.75	: 4.00
Chromium Acetate, 20% soln 400 lb		
bbls.....D	.07	: .08
Fluoride, Powd. 400 lb bbls....D		: .30
Solp. 400 lb bbls.....D		: .
Chrysarolin, USP, 5 lb cans....D	4.25	: 5.00
Cinchonidin alk. powd. 100 oz. tins		: .60
Crystal .....		: .65
Sulfate 100 lb tins.....D		: .40
Resale, 1,600 oz. lots.....oz		: .39

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PRICES CURRENT SECTION



## Chemicals

Chincholine alk., pwd. 100oz. tinsoz	...	38	COPPER metal electrolytic c/1	100lb	12.87	13.00	Diethyl Sulfate tech. 50gal. drs. lb	20	38
Crystal	...	43	Lake, c/1 NY	100lb	13.25	13.38	CP drums	40	50
Sulfate, 100 oz. tins.....oz	...	25	Casting, c/1 NY	100lb	...	12.75	Digitalin, Pure, 1 oz. vial.....oz	9.75	10.25
Citrine Ointment, see Mercury			Carbonate, 400lb bbls.....lb	16	17	Dimethylaniline, 840lb drs. wls. lb	33	36	
Coal Tar, See Tars			Chloride, 250lb tins.....lb	...	28	Dimethylsulfate, 100lb drs.....lb	...	50	
Cobalt metal, 100lb kegs.....lb	2.50	3.00	Cyanide, 100lb drs.....lb	49	50	Dinitrobenzene, 400lb bbls.....lb	16	17	
Cobalt Oxide, 500lb bbls.....lb	...	2.10	Iodide, 5lb bot.....lb	...	5.65	Dinitrochlorobenzene, 400lb bbls. lb	18	19	
10 lb tins, 200lb cases.....lb	...	2.45	Oxide, red 1600 lb. vds. ton lots lb	16 1/2	17	Dinitrotrichlorophthalene, 350lb bbls. lb	32	34	
			Sub-Acetate, verbl. 440 lb bbls.	23	28	Dinitrophenol, 350lb bbls.....lb	32	35	
COCAINE alk., USP, 1 oz. vial.....oz	...	10.00	SULFATE, crys. 450lb bbls. lb c/1	4.75	4.90	Dinitrotoluene, 300lb bbls.....lb	19	26	
Hydrochloride, USP—1 oz. vials,			spot	100lb	4.75	Dionin, see Morphine, Ethyl			
25 ozs.....oz	...	7.07	Carlots, bbls., f.o.b. NY 100 lb	4.60	4.70	Diphenylemine, 250lb bbls.....lb	48	50	
In 1/2 oz. vials.....oz	...	7.50	Carlots, bbls. delivered. 100lb	4.75	4.90	Dipherylguanidine, 170lb bbls. lb	1.10	1.15	
In crystals, granular, powder,			Imp. 550 lb casks spot.....lb	4.40	4.50	Dover's Powder, USP 5 lb tin.....lb	2.20	2.30	
or flaky crystals as decreed.			Powdered, 350lb 5 bbls.....lb	5.50	5.75	Duboisine Sulfate, 1 oz. vial.....oz	...	30.07	
Cocoa Butter, bulk, 200 lb bales. lb	24	25	Coppers, bulk c/1 wls.....ton	...	15.00	EARTH, Diatomaceous, see Kieselguhr			
Fingers, cakes, etc. 12 lb bxs. lb	33	35	200 lb bbs. c/1 wls.....ton	...	18.00	Emetine alk., 15 gr. vials.....oz	...	1.30	
			400 lb bbls. c/1 wls.....ton	...	20.00	Hydchlide, USP 1 oz. vial.....oz	17.00	17.50	
CODEINE, alk., 1 oz. vial 10 oz.			Powdered, bbls.....100 lb	1.90	2.00	15 gr. vials.....oz	...	.75	
lots	...	9.87	Sugar, 400 lb bbls.....100 lb	1.25	1.35	EPSON SALT, tech. 300 lb bbls.			
Hydrobromide, 1 oz. vial, 10 oz.			Corn Syrup, 42 deg. 50 gal.	...	4.28	NY	...	2.15	
lots	...	7.93	bbls.....100 lb	...	4.31	Bbls. c/1 NY.....100 lb	...	2.00	
Hydrochloride, 1 oz. vial, 10 oz.			43 deg. 50 gal. bbls.....100 lb	...	4.38	100 lb bgs., c/1 NY.....100 lb	1.70	1.75	
lots	...	8.77	44 deg. 50 gal. bbls.....100 lb	...	4.43	Imp., 220 lb bgs. c/1	...	1.40	
Nitrate, 1 oz. vial 10 oz. lots.....oz	...	8.77	45 deg. 50 gal. bbls.....100 lb	...	4.45	NY	...	2.50	
Phosphate, 1 oz. vial, 10 oz.			Corn Sugar, see Glucose	40	42	Bbls. c/1 NY.....100 lb	...	2.60	
lots	...	7.42	Cotton Soluble, 100 lb bbls. wet. lb	3.25	3.45	100 lb bgs., c/1 NY.....100 lb	1.70	1.75	
Salicylate, 1 oz. vial, 10 oz.			Coumarin, 25 lb tins.....lb	3.25	3.30	Imp., 220 lb bgs. c/1	...	1.40	
lots	...	7.42	Second Hands	3.25	3.30	NY	...	2.50	
Sulfate, 1 oz. vial 10 oz. lots.....oz	...	7.92	CREAM TARTAR, USP 300 lb	...	2.14	USP, 300 lb bbls, 10 bbls. 100 lb	...	2.50	
Small Sizes, 1/2 oz. vials, 50c extra.			bbls.....lb	2.14	2.14	Carlots, bbls.....100 lb	2.10	2.00	
1/2 oz. 30c extra, singles 7c extra			Imp. powd. USP, 224 bbls. lb	30 1/2	21	Imported, 400 lb bbls. 100 lb kegs	2.00	2.25	
per oz.—25 c. lots, 10c oz. cheaper			Creosote, USP, 42 lb clys.....lb	...	45	100 lb kegs.....100 lb	2.00	2.25	
than above. Less than 10 ozs. 15c oz.			Carbonate, 1 lb bot. 25 lb.....lb	1.70	1.80	Ergotin, Bonjean, 1 lb jars.....lb	6.00	6.35	
higher than above.			Creosote oil, 50 gal. drs.....gal	26	30	Eserine alk, 1 oz. vial.....oz	...	24.07	
COD LIVER OIL, Norwegian, 30 gal			Cresol, USP, 400 lb drums.....lb	22	23	Salicylate, USP 1 oz. vial.....oz	...	16.07	
bbls.....bbl	25.50	26.50	Cyanamide, bulk c/1 wls Amm. unit	1.90	2.00	Sulfate, USP VIII, 1 oz. vial.....oz	...	11.07	
Newfoundland, 30 gal. bbls. bbl	...	...	DIAMINOPHENOL, 160 lb kegs.....lb	...	3.80	ETHER, USP 55 lb drums.....lb	...	13	
Colchide alk USP 1 oz. vial.....oz	...	15.07	Dianisidine, 100 lb kegs.....lb	4.00	4.50	Anaesthesia, 55 lb drums.....lb	...	16	
Salicylate, 1 oz. vial.....oz	...	15.07	Dichlorobenzene, 1000 lb drs.....lb	58	61	ESP, 1880 55 lb drums.....lb	...	40	
Celluloid USP 30 lb drums.....lb	...	22	Dithiobenzene, 850 lb drs.....lb	58	61	Washed, 55 lb drums.....lb	...	32	
			Diethyl Phthalate, 25 lb cans.....lb	40	45	Motor, 1 lb cans.....lb	24	27	
			1000 lb drs.....lb	35	40				
						Ether, Nitrow, 1 lb bot.....lb	92	95	
						Ethyl Benzyl Aniline, 300 lb drs. lb	1.15	1.25	



# Baker & Adamson

# Reagent Chemicals

## *Standard Quality*

Manufactured in Easton, Pa., since 1884

## GENERAL CHEMICAL COMPANY

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## Chemicals

Ethyl Acetate, 99%, 50 gal. drs. gal.	1.15	1.18	Gelatin, USP silver lbl. 100 lb. cs. lb.	.62	.66	Hydrastinine Hydrochloride, USP 15 gr.		
85% Ester, 100 gal. drs. gal.	..	.95	Gold Label, 100 lb. cases. lb.	..	..	vials	..	1.60
Carlots, drums	..	.92	Technical, 100 lb. cs. lb.	.50	.55	Hydrozobenzene 100 lb. kegs. lb.	..	..
Tanks Cars	..	.90	GLAUBER'S SALT, tech. 200 lb. bags.			HYDROGEN PEROXIDE, 25vol. 400 lb.		
Refined, drums	gal	1.77	1c/l wks.	100 lb.	1.15	bbis.	..	.10
Bromide 115 lb. drs.	..	.40	350 lb. bbis. c/l wks.	100 lb.	1.25	100 vol. 145 lb. clys.	..	.38
Chloride, 15 lb. cyl.	..	.85	BBis, 1c/l wks.	100 lb.	1.30	USP Soln. 375 lb. bbis.	..	.05
Methyl Ketone, 50 gal. drums. lb.	.25	.25 1/4	Imported, bbis. spst.	100 lb.	.85	100 vol. 145 lb. clys.	..	.45
Morphine, see Morphine, Ethyl			USP, 300 lb. bbis. imp. sp.	100 lb.	1.25	USP bot. 4 oz. cases.	gross	8.00
			USP, 300 lb. bbis. dom. sp.	100 lb.	1.75	Bot. 8 oz. cases.	gross	11.75
Ethylene Bromide, 600 lb. drs.	..	.40	USP, 300 lb. bbis. c/l wks.	100 lb.	1.40	Bot. 16 oz. cases.	gross	19.75
Glycol	..	1.00	Calcined, see Sodium Sulfate			Hydroquinone, 100 lb. kegs.	lb.	1.40
Chlorhydrin, anhyd. 50 gal. drs. lb.	.75	.85	Glucose, (Grape Sugar) dry, 100			Hyocine Hydrobrom. USP 1 oz.		
40% Solution, 50 gal. bbis. lb.	.25	.30	70° bags, c/l NY.	100 lb.	4.29	vial	..	9.57
Dichloride, 50 gal. drs.	..	.25	Syrup, Drs. & bbis, c/l NY	100 lb.	4.26	Five ozs., 1 oz. vials.	..	9.00
Phylideneamide	..	.70	1c/l NY	100 lb.	4.56	Hyocyanine Alk. Cryst., 1 oz. vial.	..	20.07
Eucalyptol, 25 lb. cans	..	.80	GLUE, pure white, bbis.	..	.22	Alkaloid, Amorphous, 1 oz. vial.	..	75.07
Feldspar, bulk	ton	20.00	Medium white, bbis.	..	.20	Hydrobromide, USP 1 oz. vial.	..	25.07
FERRIC CHLORIDE, tech. crys.			French, bbis.	..	.25	Sulfate, 1 oz. vial.	..	20.07
475 lb. bbis.	..	.07	High Grade, bbis.	..	.35	INDOL, C. P., 1 oz. bot.	..	6.00
Imported	..	.06	Bone, regular, bbis.	..	.10	Iodides, see Potass. Iodide, etc.		
USP, crys. 100 lb. kegs.	..	.08	Finb. bbis.	gal	1.50	IODINE, crude, 200 lb. kegs.	..	3.97
Imported	..	.07 1/4	GLYCERIN, C. P. 550 lb. drums.	..	.19	Resublimed, 10 lb. jars	..	4.65
Neut. Sol'n 40° 140 lb. clys.	..	.04	Cans 50 lb.	..	.20	Tincture, USP, 50 gal. bbis.	gal	4.10
48°, 140 clys.	..	.08	Dynamite, 100 lb. drs.	..	.18 1/4	Carboys	..	4.25
USP Sol'n 125 lb. clys.	..	.05 1/4	Saponification, tanks	..	.13 1/4	Iodoform, powd., 10 lb. bot.	..	5.50
Ferrous Chloride, crys. tech.	..	.06	Soap, Lye tanks	..	.12	Crystals, 10 lb. bot.	..	6.50
475 lb. bbis.	..	.08 1/4	Goa Powder, see chrysaorbin			Iridium, metal 100s lots	..	260.00
Ferrous Sulfide, 1000 lb. bbis. 100 lb.	2.50	3.00	Graphite, crude 220 lb. bags.	ton	15.00	Iron metal by hydrogen 1 lb. bot.	..	.80
Flake White, see lead, white			Flake, 500 lb. bbis.	..	.05	IRON & AMM. CITRATE, USP 25 lb.		
Fluorspar, 95% 220 lb. bgs. ex-			Ground, lump, bbis.	..	.04	cans	..	.79
dock	ton	25.00	Guaiacol liquid, USP, 25 lb. cans.	..	2.35	Green scales, 25 lb. cans.	..	.79
96% bgs.	ton	33.50	Benzoate, 1 lb. bot.	..	18.00	Cacodylate, 10 lb. bot.	..	6.50
98% bgs.	ton	35.00	Carbonate, 5 lb. boxes.	..	4.60	Citrate, USP VIII 25 lb. cans.	..	.99
FORMALDEHYDE, USP 400 lb. bbis.			Second Hands	..	3.60	Chloride, see ferric or ferrous		
c/l wks.	..	.09 1/4	HAARLEM OIL, Dom. 6 gr. cs. gross	2.75	3.00	Hypophosphite, 5 lb. cans.	..	1.50
Carboys, 100 lb. 1c/l wks.	..	.10 1/2	Imported, 5 gr. cases.	gross	4.00	Syrup, USP VIII.	..	.30
BBis., 400 lb. 1c/l wks.	..	.10	Halazone, 5 lb. bot.	..	2.75	Iodide, 1 lb. bot.	..	4.28
Second Hands	..	.09	Hexamethylenetetramine, USP			Syrup, USP, 5 lb. bot.	..	.35
Food Flour	..	.04	100 lb. drums	..	.75	Nitrate, kegs	..	.09
Formalin	..	.50	Imported	..	.65	Com'l, bbis.	100 lb.	2.75
Fuller's Earth, 300 lb. bgs. c/l			Rubber Makers, Impalp. Pd.	..	.82 1/2	Oxalate scales 25 lb. cans.	..	.85
mines	ton	15.00	Homatropine Hydrobrom. USP 1 oz.			Oxide red, Spanish	..	.08 1/2
Imported, 230 lb. bags NY.	ton	35.00	vial	..	14.57	& Ammon. Oxalate 25 lb. drs.	..	.42
Furfural, 300 lb. bbis.	..	.25	Five ozs., 1 oz. vials.	..	13.50	& Potassium Oxalate, 25 lb. bss.	..	.45
Fusel Oil, refined, 50 gal. drs. gal	3.50	3.75	Hydrastine Alk., USP, 1 oz. vial.	14.00	14.57	& Sodium Oxalate, 25 lb. bss.	..	.41
Crude, 50 gal. drum.	gal	3.15	Hydrochloride, USP, 1 oz. vial.	..	14.57	Phosphate, USP 25 lb. cans.	..	.79
G SALT, paste 350 lb. bbis. basis			Sulfate, 1 oz. vial.	..	16.07	Pyrophosphate, USP 25 lb.	..	.84
100%	..	.60				cans	..	.86

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## Chemicals

JALAP RESIN, lump 5 lb tins...lb	3.25	: 3.35	Linalool, 5 lb bot.....lb	6.25	: 6.75	Manganese—(continued)		
Powd. tins.....lb	3.40	: 3.50	Litharge, see lead oxide			Glycerophosphate, 5 lb tins....lb	...	: 3.95
Kapoc, 200 lb double bales....lb	.25	: .26	Lithium Carb. USP, 100 lb kgs...lb	1.50	: 1.60	Hypophos. USP VIII 5 lb cans...lb	...	: 1.40
KIESELGUHR, 95 lb bags NY...ton	60.00	: 70.00	Bromide, 100 lb cs.....lb	1.75	: 1.85	Iodide, 1 lb bot.....lb	...	: 6.65
LANOLIN, see Adeps Lanæ			Citrate, USP, 100 lb kgs....lb	1.70	: 1.75	Ore, bulk, NY.....lb	.40	: .45
LEAD, metal c/NY.....100 lb	...	: 8.00	Iodide, 5 lb bot.....lb	...	: 7.50	Sulfate, 600 lb casks NY....lb	...	: .08
Acetate, white crystals 500 lb			Lithopone, 400 lb bbls, 1c/l wks...lb	...	: .08%	Marble Flour, bulk.....ton	10.00	: 12.00
bbls. wks.....lb	...	: .14%	Bbls. c/l wks.....lb	...	: .06%	See also Calcium Carbonate		
100 to 250 lb kgs. wks...lb	...	: .15	Bags, c/l wks.....lb	...	: .05%	MENTHOL, USP, 60 lb cases....lb	...	: 12.75
White, broken, bbls, wks.100 lb	...	: 13.90	Imported, 400 lb bbls.....lb	...	: .05%	Less cases, 5 lb tins....lb	...	: 13.00
White, gran., bbls., wks.100 lb	...	: 14.15	Litmus Cubes.....lb	.90	: 1.00	Domestic, USP, 60 lb cases....lb	...	: .
White, powd., bbls, wks.100 lb	...	: 15.25	Luminal, see Phenylethylmalonylurea			MERCURY, metal, 75 lb flasks, flask	71.00	: 71.50
Keps, wks.....lb	...	: .15%	MAGNESITE, crude.....ton	...	: 15.00	Less Flasks, 5 lb jars....lb	...	: 1.10
Brown, broken, bbls, wks....lb	...	: .13%	Calcined, 500 lb bbls.....ton	...	: 55.00	Bichloride, cryst. 25 lb bxs....lb	...	: 1.13
USP, 100 lb kgs.....lb	...	: .16	Magnesium mtl., sticks 100 lb cs...lb	1.25	: 1.30	Gran. powd., 200 lb kgs...lb	...	: .98
Arsenate, 100 lb bbls. 1c/l wks...lb	.21	: .26	Carb. tech. 70 lb bags NY...lb	.08	: .08%	Bisulfate, 25 lb boxes....lb	...	: .98
Bbls. c/l wks.....lb	.17	: .19	75 lb bbls. NY.....lb	.09%	: .10%	Blue Mass, 25 lb boxes....lb	...	: .68
Paste, 100 & 600 lb bbls...lb	.10	: .15	USP, 60 lb bbls.....lb	.12	: .14	Powdered, 25 lb boxes....lb	...	: .68
Iodide, USP VIII 5 lb bot....lb	3.20	: 3.40	USP, blocks 100 lb cs. 1, 2, 4	.19	: .23	Blue Ointment, USP 25 lb cans	...	: .86
Nitrate, 500 lb bbls. wks....lb	...	: .13	ozs.....lb	...	: .23	50%.....lb	...	: .66
Oxide, lithge, 500 lb bbls...lb	...	: .10%	Chloride, fused 575 lb drs. c/l	...	: 34.00	USP, dilute 25 lb cans 30%...lb	...	: .74
100 lb kgs, wks.....lb	...	: .15	Wks.....lb	...	: 36.00	33 1/3% Mercury.....lb	...	: 1.22
Oxide, red 500 lb bbls. wks...lb	...	: .11	Flaked, 350 lb drs. wks c/l ton	...	: 26.00	Calomel, 50 lb bxs.....lb	...	: .51
100 lb kgs, wks.....lb	...	: .15	Imp., fused 900 lb bbls NY ton	26.00	: 28.00	Citrine Ointment 25 lb jars...lb	...	: 4.10
Peroxide, 100 lb drs.....lb	.25	: .30	Fluorsilicate, crystals 400 lb bbls	.12	: .15	Iodide, green 25 lb jars....lb	...	: 4.20
White, basic carb. 500 lb bbls.	...	: .10	Wks.....lb	...	: .07%	Red, USP 25 lb jars....lb	...	: 4.10
Wks.....lb	...	: .10	30% soln. 500 lb bbls. wks...lb	.07	: .06	Yellow, USP VIII 25 lb jars...lb	...	: 1.68
Bbls. c/l wks.....lb	...	: .14%	Soln. bbls. c/l wks....lb	...	: 3.25	Oxide, Yellow, USP, 25 lb bxs...lb	...	: 1.38
White, sulfate 500 lb bbls.wks...lb	...	: .08%	Glycerophosphate, 5 lb tins....lb	...	: 1.05	Red Precip. USP, 25 lb bxs...lb	...	: 1.48
Bbls. c/l wks.....lb	...	: .08%	Hypophosphite, 5 lb cans....lb	...	: .42	Powder, USP 25 lb bxs....lb	...	: 1.34
Licorice Ext. Mass, crsso....lb	.25	: .26	Oxide, USP light 100 lb bbls...lb	...	: .50	White Precip. USP 25 lb bxs...lb	...	: 1.39
Compound powder, bbls....lb	.11	: .13	USP, heavy 250 lb bbls....lb	...	: 2.62	Powdered, USP 25 lb bxs....lb	...	: .66
Powdered.....lb	.38	: .40	Peroxide, 5 lb cans....lb	...	: .70	With chalk, USP 25 lb bxs....lb	...	: .80
Sticks, 1 cs. 100 lb cans....lb	.45	: .50	Perborate, 1 lb tins.....lb	...	: .25	Meta-Nitrandline.....lb	.70	: .80
LIME (Salts, see Calcium Salts)			Salicylate, 100 lb kgs.....lb	...	: .20	Meta-Nitro-para-Toluidine, 300 lb	...	: 2.20
Live, 325 lb bbls. ton lots, wks...lb	...	: .01%	Sulfate, see Epsom Salts			bbls.....lb	...	: .95
Single bbl. wks.....lb	...	: .01%	Manganese Chloride, 605 lb csk.	.09%	: .10	Meta-Phenylenediamine, 300 lb	.90	: .95
Hydrated, 167 lb bbl, ton lots,	...	: .01%	NY.....lb	...	: .24	bbls.....lb	...	: .85
Wks.....lb	...	: .01%	Borate, 30%, 200 lb bbls....lb	...	: .25	Meta-Toluylenediamine, 300 lb	...	: .88
Single bbl. wks.....lb	...	: .01%	100 lb kgs.....lb	...	: .25	bbls.....lb	...	: .85
Oyster Shell, 150 lb bbl. single...lb	...	: .03%	Dioxide, 80-84% 900 lb bbls.	80.00	: 85.00			
Sulfur, dry 200 lb drs. NY....lb	...	: .08%	NY.....lb	85-90%, 900 lb bbls. NY ton	85.00			
Drs. c/l NY.....lb	...	: .08	Hydrated, precip. 100 lb kgs...lb	.15	: .20			
33° Soln. 50 gal. bbls., NY.gal	.15	: .16						

## ACETATES


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MECCO

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 110 William Street  
 New York

# Chemicals

<b>METHANOL (Wood Alcohol)</b>			<b>Alum. Ammonite, 1 lb. cans.....lb.</b>			<b>Urtio-Toluidine, 350 lb. bbls.....lb.</b>		
95% tanks.....gal	..	.67	<b>NAPHTHA, See Solvent Naphtha</b>			Oxal, USP, 5 lb. bot.....lb.	2.00	3.00
Drums, c/l.....gal	..	.70	<b>NAPHTHALENE, Flake, 175 lb. bbls.</b>			Purified, 5 lb. bot.....lb.	1.50	2.50
Drums, 1c/l.....gal	..	.72	<b>wks.</b>			Crude, 5 lb. bot.....lb.	.80	1.25
97% tanks.....gal	..	.69	<b>Bbls., c/l wks.</b>			<b>PALLADIUM, metal 10 oz. lots.....oz.</b>		
Drums, c/l.....gal	..	.72	<b>Bbls., second hands NY.....lb.</b>			Pancreatin, USP 5 lb. bot.....lb.	1.25	1.40
Drums, 1c/l.....gal	..	.74	<b>Balls, 250 lb. bbls. wks.</b>			Papain, 10 lb. bot. USP, Powd.....lb.	2.15	2.25
Pure, Acetone free, tks.....gal	..	.75	<b>Bbls., c/l wks.</b>			Crude, 150 lb. cases.....lb.	1.80	1.85
Drums, c/l.....gal	..	.77	<b>Bbls., second hands NY.....lb.</b>			<b>Paraffin, ref'd 200 lb. cs. slabs</b>		
Drums, 1c/l.....gal	..	.80	<b>Crushed, chipped, bgs., wks.</b>			123-127 Deg. M. P.....lb.	.05%	.06
Bbls. incl. 5c higher	..		<b>Crude, imp., bags.....lb.</b>			128-132 Deg. M. P.....lb.	.05%	.06%
Nickel Acetate, 100 gal. drums.....gal	.75	.80	<b>Nickel Metal, electrolytic 100 lb.</b>			133-137 Deg. M. P.....lb.	.06%	.07
Tanks, cars.....gal	.70	.75	<b>kegs</b>			138-140 Deg. M. P.....lb.	.07%	.07%
Chloride, 90 lb. cyl.....lb.	..	.50	<b>Ingot, 100 lb. kegs.....lb.</b>			<b>Para-Aminoacetanilid, 100 lb.</b>		
Salicylate, USP, 50 lb. cases.....lb.	..	.47	<b>Salt, single 400 lb. bbls. NY.....lb.</b>			kegs.....lb.	1.10	1.15
500 lb. drums.....lb.	..	.45	<b>Double, 400 lb. bbls. NY.....lb.</b>			<b>Para-Aminophenol, 100 lb. kegs.....lb.</b>		
Second Hands, cases.....lb.	.44	.45	<b>Oxide, 100 lb. kegs NY.....lb.</b>			Hydrochloride, 100 lb. keg.....lb.	1.35	1.40
Methylene Blue, tech. 100 lb. kgs.....lb.	1.25	1.50	<b>Sulfate, 450 lb. bbls.....lb.</b>			<b>Para-Dichlorobenzene, 150 lb. bbls.</b>		
USP, medicinal 5 lb. cans.....lb.	2.00	2.30	<b>Nicotine, Free 40%, 8 lb. tins.....lb.</b>			wks.....lb.	.17	.20
Michler's Ketone, 225 lb. bbls.....lb.	..	3.75	<b>Sulfate, 10 lb. tins, 46%.....lb.</b>			25-50 lb. kegs.....lb.	.18	.23
Milk, powd. 150 lb. bbls.....lb.	.14	.15	<b>Nitre Cake, bulk wks.....ton</b>			Paraformaldehyde, USP 100 lb. cs.....lb.	.42%	.45
Milk Sugar, see sugar of milk	..		<b>500 lb. bbls.....ton</b>			Para-Nitroacetanilid, 300 lb.	.50	.55
Mineral Oil, see oil mineral	..		<b>Nitrobenzene, crude, 1000 lb. dra.</b>			bbls.....lb.	.50	.55
Mineral Rubber.....ton	35.00	75.00	<b>wks.</b>			PARA-NITROANILINE, 300 lb. bbls.	.68	.72
Monacetone, 100 gal. drums.....lb.	..	.50	<b>Redistilled, 1000 lb. dra. wks.....lb.</b>			wks. ton.....lb.	.20	.30
Monochlorobenzene, see chlorobenzene	..		<b>Nitronaphthalene, 550 lb. bbls.....lb.</b>			Para-Nitrochlorobenzene, 1200 lb. dra.	.20	.30
Monomethylaniline, 900 lb. dra.....lb.	1.25	1.50	<b>Nitrotoluene, mixed 1000 lb. dra.</b>			wks.....lb.	2.75	2.85
Monomethyl paraamidophenol sulfate	..		<b>wks.</b>			Para-Nitrophenol, 185 lb. bbls.....lb.	.55	.60
100 lb. dra.....lb.	3.95	4.20	<b>Ochre.....lb.</b>			Para-Nitrodimethylaniline, 120 lb.	..	.95
<b>MORPHINE Sulfate, USP 5 oz. tins</b>	..		<b>Oil Fuel, see Fuel Oil</b>			bbls.....lb.	..	.42
10 oz. tins.....oz.	7.35		<b>OIL MINERAL, wh. 50 gal. bbls. gal</b>			Para-Nitrotoluene, 350 lb. bbls.....lb.	1.50	1.60
Acetate, 5 oz. tins 10 oz. lots.....oz.	7.35		<b>Oil Mirbane, see nitrobenzene</b>			Para-oxo Benzaldehyde, 100 lb.	1.55	1.60
Hydrobromide, 5 oz. tins 10 oz.	7.35		<b>Opium, see crude drugs</b>			Para-Phenetidin, 500 lb. dra.....lb.	1.30	1.35
Hydride, 5 oz. tins 10 oz.	7.35		<b>Orange Mineral, 800 lb. cases NY.....lb.</b>			bbls.....lb.	.40	.41
Ethyl Hydride, 1/4 oz. via 10	11.45		<b>500 lb. bbls. NY.....lb.</b>			Para-Toluene-Sulfonamide, 175 lb.	.18	.30
Small Sizes: 1/4 oz. vials, 50c extra;	..		<b>Ortho-Aminophenol, 50 lb. kegs.....lb.</b>			bbls.....lb.	.75	.80
1/4s 25c extra; single oz. via, 7c ex.	..		<b>Ortho-Anisidine, 100 lb. dra.....lb.</b>			Para-Toluene-Sulfonchloride, 410 lb.	..	
tra, over price for 5 oz. tins. 25 oz.	..		<b>Ortho-Dichlorobenzene, 1000 lb. dra.</b>			bbls. wks.....lb.	..	
lots in 5 oz. tins, 10c or lower than	..		<b>wks.</b>				..	
above schedule. Less than 10 oz. lots	..		<b>Ortho-Nitrochlorobenzene, 1200 lb.</b>				..	
15c or higher than above schedule.	..		<b>dra. wks.....lb.</b>				..	
	..		<b>Ortho-Nitrophenol, 350 lb. dra.</b>				..	
	..		<b>Ortho-Nitrotoluene, 1000 lb. dra.</b>				..	
	..		<b>wks.</b>				..	

  
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## Chemicals

<b>PARIS WHITE</b>			Piperazine Hydrate, 1 lb bot....D			<b>POTASSIUM</b> —(Continued)		
Arsenic Bais, 500 lb kegs....D	.25	: .30	Piperidine, 25 oz.....oz	1.10	: 1.25	Chlorate, crys. 112 lb kgs. c/l		
Kegs. 100 lbs.....D	.32	: .33	Pitch, Coal-Tar, wks.....ton	24.00	: 26.00	wks.....D	.08	: .08½
Kilo, 56, 28, 14 lbs.....D	.34	: .35	Plaster Paris, tech 250 lb bbls.bbl	3.30		Imp. 112 lb kegs, NY..D	.06½	: .07
Packages, 5 and 2 lbs.....D	.36	: .37	True Dental, 300 bbls....bbl	4.50		Powd., 112 lb kegs wks....D	.08½	: .09
Packages, 1 lb, ½, ¼ lb....D	.39	: .43	Platinum, metal soft 10 oz. lots....oz	118.00		Imp., kegs NY.....D	.06½	: .06½
<b>Paris White, see whitening, French</b>			Second Hands.....D	5.00	: 5.25	Gran. Imp. 112 lb kgs NY..D	.10½	: .11
Pepsin, USP, 5 lb bot.....D	2.25	: 2.50	POTASH, CAUSTIC, solid 88-92%			Pyrotechnic, fine powd. NY..D		: .07
<b>PETROLATUM, green 300 lb bbls.D</b>			700 lb drs. wks.....D		: .07½	USP, fine crys. 110 lb kegs		
Dark Amber, 300 lb bbls....D	.02½	: .03	Imp., 88-92% 700 lb drs. NY..D	.07½	: .07½	NY.....D	.07	: .07½
Light Amber, 300 lb bbls....D	.04½	: .04	USP, by alcohol 5 lb cans....D	.46	: .48	Citrate, USP 10 lb cans.....D	.63	: .66
Cream White, USP 300 lb bbls.D	.07	: .07½	cases.....D	.30	: .35	Cyanide, 110 lb cases.....D	.60	: .65
Lily White, USP, 300 lb bbls.D	.09	: .09½	POTASSIUM Acetate, USP, 100 lb			Glycerophosphate, 75% Soln. 25 lb		
Snow White, USP, 300 lb bbls.D	.12½	: .13	kegs.....D	.29	: .30	tins.....D	1.35	: 1.50
<b>Phenol, see also acid carbolite</b>			Bicarbonate, crys. 320 lb bbls.D		: .10½	Gualacol Sulfonate, 5 lb cans,		
Makers, 900 lb drums, wks....D	.24	: .25	Bichromate, crys. 900 lb casks..D	.08½	: .09	10 lb.....D	2.00	: 2.25
Small drums, 100-240 lb....D	.25	: .27	Powd., 900 lb casks wks....D		: .12	Hypophosphite, 10 lb cans....D	.80	: .85
Open market, dra.....D		: .25	Binoxalate, 300 lb bbls.....D	.25	: .28	Iodide, USP, 100 lb cases....D	3.75	: 3.80
240 lb des. drs. wks.....D		: .25	Import, 112 lb bbls.....D	.18	: .20	Second Hands, cases.....D	3.60	: 3.70
Natural, 240 lb des. drs. wks..D		: .25	Bisulfate, C.P., 5 lb cans....D		: .30	Lactophosphate, 4 oz bot.....oz		: .90
Imported, 336 lb des. drs....D		: .25	100 lb kegs.....D		: .22	Metabisulfite, 300 lb bbls....D	.18	: .20
Phenolphthalein, USP, 100 lb drs.D	1.30	: 1.40	Bromate, 100 lb cs.....D		: .75	Imp., 550 lb bbls.....D	.10	: .12
5 lb cans, 100 lb lots.....D	1.40	: 1.50	<b>BROMIDE, USP, cryst. 450 lb</b>			Muriate, 80%, 200 lb bags, NY		
Phenyl-Alpha-Naphthylamine 100 lb			bbls.....D		: .38	K <sub>2</sub> O unit		: .61½
kegs.....D			Granular, 300 lb bbls....D		: .38	Nitrate, see Saltpetre		
Phenylethylalcohol, 1 lb bot. Dom D	8.00	: 10.00	Cases, 100 lb.....D		: .39	Oxalate, neutral, 100 lb kegs..D	.35	: .40
Imported.....D	7.00	: 7.75	Imported, USP, 220 lb cs....D	.30	: .32	Perchlorate, 112 lb kegs.....D	.06½	: .10
Phenylethylmalonylurea, oz. pkts. oz		: 5.50	<b>CARBONATE, 80-85% calc.</b>			<b>PERMANGANATE, USP, crys. 500 lb</b>		
Phosgene, 100 lb cylinders.....D			800 lb cks.....D	.05½	: .05½	& 100 lb Drs., wks....D	.12½	: .13
Phosphorus Oxysulfide, 175 lb cyl.D	.35	: .40	80-85%, hydrated, 800 lb			Imp. 112 lb drs.....D	.13	: .13½
Phosphorus, red 110 lb cs. wks....D	.90	: 1.00	cks.....D	.05½	: .05½	Prussiate, red, 500 lb casks..D	.38	: .40
Imported, 112 lb cases....D	.90	: 1.00	90-95% calc casks.....D	.06	: .06	Prussiate, yellow, 500 lb casks.D	.17½	: .18
Yellow, 110 lb cs. wks.....D	.35	: .37½	96-98% calc casks.....D	.05½	: .06	Salicylate, 25 lb cans.....D	.60	: .65
Imported, 112 lb cases....D			99% calc casks.....D	.06½	: .07	Sulfate, 200 lb bags, NY K <sub>2</sub> O unit		: .35
Phosphorus Trichloride, 175 lb cyl.			1 SP 100 lb kegs.....D	.12½	: .13	USP, VIII, 100 lb kegs....D	.15	: .18
wks.....D		: .45	99% CP casks.....D		: .12½	Sulfocyanide, CP 25 lb jars....D		: .50
Phthalic Anhydride, 100 lb bbls.D	.23	: .28				Tartrate, neutral, 100 lb kegs.D		: .51
Pilocarpine Hydrochloride, USP 25 oz.						Titanium Oxalate 200 lb bbls.D	.25	: .30
lots, 1 oz vials.....oz	3.00	: 3.32						
Nitrate, 25 oz.....oz		: 3.00						
Single ozs.....oz		: 3.32						
Alkaloid, 15 gr. vls.....ea		: .85						



# SELDEN

99.99+% Pure.

## Brand PHTHALIC ANHYDRIDE

is the Product by which all other Brands may be Standardized.

# IT-IS-PURE

Unless Phthalic Anhydride melted in a TEST TUBE, has the same colorless appearance as SELDEN BRAND, it contains foreign matter which proves it is *not* STANDARD.

It is possible that trouble in commercial or research work can be traced directly to the use of *impure* Phthalic Anhydride.

## THE SELDEN COMPANY

Pittsburgh, Pa., U. S. A.





Every product sold by Solvay strengthens the reputation of both seller and buyer. The reason?—the maintenance of fair prices, courteous treatment, prompt service and products of well known dependability.

Solvay Extra Light Soda Ash "FluF"  
 Solvay 58% Soda Ash  
     Dense—Light  
 Solvay 76% Caustic Soda  
     Solid—Flake—Ground  
 Solvay Super Alkali  
 Solvay Snow Flake Crystals  
     (Trademark Registered)  
 Solvay Laundry Soda  
 Solvay Cleansing Soda  
 Solvay Tanners Alkali  
 Solvay Tanners Soda  
 Solvay Liquid Caustic Soda  
 Solvay Calcium Chloride 73%—75%



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Pittsburgh

## Chemicals

## SODA CAUSTIC—(Continued)

Empt. and spot, Basis 76%		
c/l wks. ....100lb	...	3.20
Contract 74% low grade c/l		
wks. flat ....100lb	...	3.02
Ground & flake, 76% pmpt. and		
spot, wks. c/l drs. ....100lb	...	3.60
Contract 76% drums c/l wks.		
flat ....100lb	...	3.50
USP, stick, 10 lb cans. ....lb	...	.21
Pure, stick, by alcohol. ....lb	...	.25

## SODIUM ACETATE, crys. 450 lb bbls.

wks. ....lb	...	.04%	.05%
Aluminate 500 lb bbls. wks. lb	...	.07%	.08
Aluminum Sulfate, see alum. soda			
Arsenite, 4 lb mat. wks. drums gal	...	.50	.60
Drums, 8 lb material, wks. gal	...	1.00	1.20
Benzoate, USP, 100 lb bbls. ....lb	...	.62	.65
Bisulfonate 400 lb bbls. NY 100 lb	...	2.25	
Bbls. c/l wks. ....100lb	...	2.00	
112 lb kegs eka. ....100lb	...	2.25	
112 lb kegs, NY ....100lb	...	2.50	
Bichromate, 600 lb casks wks. ....lb	...	.06%	.07
Casks, c/l wks. ....lb	...	.06%	.07
Casks, NY ....lb	...	.06%	.07
Bisulfite dry powder, 500 lb			
bbls., wks. ....lb	...	.04	.04%
Solution 32-40°, 500 lb bbls.			
wks. ....100lb	...	1.25	1.75
Bromate, 100 lb cs. ....lb	...	1.05	
BROMIDE, USP, 450 lb bbls. ....lb	...	.38	
Cases, 50 lb ....lb	...	.39	
Imp. USP, 112 lb cs. ....lb	...	.36	.38
Cacodylate, USP, 5 lb. bot.			
25 lb ....lb	...	5.50	5.90
Carbonate, sal soda, 350 lb bbls.			
lc/l NY ....100lb	...	1.30	1.35
Works c/l ....100lb	...	1.10	1.30
Monohydrate, 400 lb bbl.			
lc/l NY ....100lb	...	2.40	
Pur. photograph. ....lb	...		
keg ....lb	...	.06	.08
Chlorate, 112 lb kegs, wks. ....lb	...	.06%	.06%
Imported, 112 lb kegs. ....lb	...	.06%	.06%

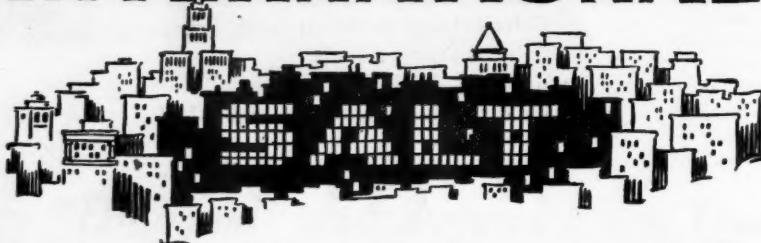
## SODIUM—(Continued)

Chloride, tech. 200 lb bags. ....ton	12.00	13.00
C. P., 300 lb bbls. ....lb	.05	.06
Chromate, 800 lb bbls. ....lb	...	.68
Citrate, USP, IX, 100 lb kegs. ....lb	.62	.66
USP, VIII, 100 lb kegs. ....lb	.55	.59
Cyanide, 96-98%, 100 lb cases		
wks. ....lb	...	.22
Ton lots, wks. ....lb	...	.22
73-76%, 100 lb cases, wks. ....lb	...	.19%
125-128%, 200 lb cs. ....lb	.20	.20%
120-125%, 200 lb cs. ....lb	.17	.18
118-120%, 200 lb cs. ....lb	.16	.17
Fluoride, 300 lb bbls, wks. ....lb	.08%	.09%
Imp. 350 lb bbls. ....lb	...	.08%
Glycerol USP. crys 25 lb		
cans. ....lb	1.40	1.50
Powder, 25 lb tins. ....lb	1.45	1.60
Solution, USP, 25 lb tins. ....lb	1.05	1.15
Hydroxide, see Soda Caustic		
Hypochlorite, Soln., 100 lb cys. ....lb	...	.05
14% soln., 50 lb cys. ....lb	...	.04
Hydroxide, 200 lb bbls. fob. wks. ....lb	.22	.24
For Stripping, 50 lb cans. ....lb	.35	.40
Hypophosphite USP 25 lb cans		
lb ....lb	.70	.75
HYPOSULFITE, tech. pes crys.		
375 lb bbls. wks. ....100lb	2.65	3.05
Bbls. c/l wks. ....100lb	...	2.50
100 lb kegs wks. ....100lb	2.75	3.35
Imp. ....100lb	2.65	2.75
Granulated, bbls. wks. ....100lb	2.90	3.30
Bbls. c/l wks. ....100lb	...	2.75
Kegs. wks. ....100lb	3.00	3.60
Regular crystals ....100lb	2.35	2.65
Iodide USP, 25 lb jars. ....lb	4.25	4.30
Metasulfate, 150 lb bbls. ....lb	.55	.70
Naphthionate, 300 lb bbls. ....lb	.59	.62
Nitrate, eride, 95%, 200 lb bags		
c/l NY ....100lb	...	2.40
Future NY ....100lb	2.40	2.45
Double Refined 400 lb bbls		
gran c/l wks. ....lb	...	.04%
Nitrite, 500 lb bbls., wks. ....lb	...	.09
Bbls. spot. makers. ....lb	...	...
Imp. 650 lb casks ....lb	.09%	.09%

## SODIUM—(Continued)

Ortho-Chloro-Toluene Sulfo-		
nate, 175 lb bbls. wks. ....lb	.35	.37
Oxalate, neutral, 100 lb kegs. ....lb	...	.39
Perborate, 275 lb bbls. ....lb	...	.23%
Imp. 225 lb drs. ....lb	...	.22
Peroxide, 200 lb cases ....lb	.25	.27
Phosphate, di-sodium, tech 550 lb		
bbls. ....lb	.03%	.03%
USP. gran. 275 bbls. ....lb	.07	.07%
Imp. gran. ....lb	.05%	.06
USP. recryst. 275 bbls. ....lb	.10	.11
Mono-sodium 100 lb kegs. ....lb	.24	.26
Tri-sodium tech. c/l bbls. ....lb	.03%	.04
Picramate, 100 lb kegs. ....lb	...	.60
Para-Toluene Sulfonate, 175 lb		
bbls. ....lb	.08	.09
PRUSSIAN, yellow, 350 lb bbls. ....lb	.09%	.09%
Imp., 450 lb cks. ....lb	.09%	.09%
Pyrophosphate, 100 lb kegs. ....lb	.24	.26
Sulfate, 100 lb kegs. ....lb	...	.40
Second Hands, USP, kegs. ....lb	.37	.40
Silicate, 60° 700 lb bbls., f.a.s.		
NY ....100lb	...	2.60
Works, 1000 lb drums. ....100lb	...	1.90
Works, tanks ....100lb	...	1.75
40° domestic, 700 lb c/l f.o.b.		
wks. ....100lb	...	.80
Works, 1000 lb drums. ....100lb	...	.85
Works, tanks ....100lb	...	.75
Spot, drums, bbls. ....100lb	1.05	1.80
Silicofluoride, 450 lb bbls, NY lb	.04	.04%
Sulphate, see Glauber's Salt		
Sulfate, Anhydrous, 550 lb bbls,		
c/l wks. ....lb	.03%	.04
Imp., 250 lb bbls. ....lb	.03	.03%
Sulfide, 80% solid, 650 lb drs.		
lc/l wks. ....lb	.04	.04%
Drs. c/l wks. ....lb	.03	.03%
Imp. 700 lb drs. NY ....lb	...	...
60% broken, 650 lb drs. wks. ....lb	.04%	.05
Imp., 500 lb drs. NY ....lb	.03%	.04
30% crys. 440 lb bbls. wks. ....lb	.02	.02%
Imp., 400 lb bbls. ....lb	.02%	.02%
Sulfite, crys. 400 lb bbls. wks. ....lb	.03%	.03%
Anhydrous, 400 lb bbls. ....lb	.09%	.10

## INTERNATIONAL



THE dominating position of International Salt in the minds of consumers is due to the superior facilities and a well balanced organization.

Every step in the production of this pure product—to the last purification process—is a tested link in the chain of satisfaction to the user. Prompt delivery is the final and vital feature.

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SALT COMPANY, INC.

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NEW YORK OFFICE: 2 RECTOR STREET

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Henry C. Hacke.....San Francisco

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Miller Lenfestey Supply Co.....Tampa

## ILLINOIS

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Morton Salt Company.....Chicago  
L. R. Mace & Company.....Rock Island

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Evansville Commerce Co.....Evansville  
William Lynn & Company.....Indianapolis  
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## IOWA

Iowa Soda Products Co.....Council Bluffs

## KENTUCKY

Industrial Chemical Co.....Louisville  
Pickrell & Craig Co.....Louisville  
Waters Garland Co.....Louisville

## LOUISIANA

Grasselli Chemical Company.....New Orleans

## MARYLAND

H. J. Baker & Brother.....Baltimore

## MICHIGAN

Eaton Clark Company.....Detroit  
Detroit Soda Products Co.....Detroit  
Carrier Stevens & Company.....Lansing

## MINNESOTA

Merchants Chemical Co.....Minneapolis

## MISSOURI

Abner Hood Chemical Co.....Kansas City  
Merchants Chemical Co.....St. Louis  
Provident Chemical Works.....St. Louis

## MONTANA

C. T. Perry Company.....Helena

## NEW ENGLAND REPRESENTATIVE

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## NEW JERSEY

American Oil & Supply Co.....Newark  
Jacques Wolf & Company.....Passaic

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A. H. Williams Co.....Utica  
Grasselli Chemical Co.....New York City  
Innis Speiden & Co.....New York City  
Joseph Turner & Co.....New York City  
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Merchants Chemical Co.....Milwaukee

## CANADA

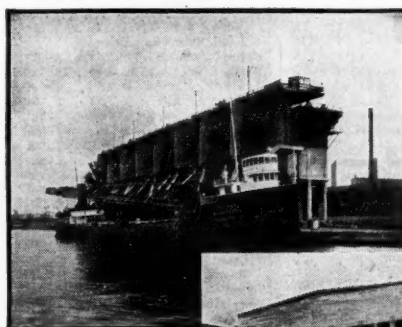
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One of the Light Soda Ash Stockhouses at Works No. 1. Capacity 10,000 tons.



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General Sales Department

21 East 40th Street

New York

"Distinguished for Its High Test and Uniform Quality"

SODA ASH

CAUSTIC SODA

BICARBONATE OF SODA

PRICES CURRENT SECTION

## Chemicals

<b>SODIUM—(Continued)</b>			<b>SULFUR, crude bulk, c/l NY...</b>			<b>Thiocarbamid, 170 lb bbls.</b>		
Sulfocarbonate, USP, 100 lb kegs	.35	.37	Crude, f.o.b. mines	14.00	15.00	Thymol, USP, 25 lb tins	5.00	5.25
kegs	.35	.37	Brimstone, 250 lb bags, c/l 100 lb	1.75	1.95	Iodide, 5 lb boxes	7.25	7.50
Sulfocyanide, 400 lb bbls	.45	.47	Less c/l bags NY	1.85	2.10	<b>TIN, Metal Straps, NY</b>	100 lb	49.75
Singstate, crys. 100 lb kegs	.55	.60	Roll, 500 lb bbls, c/l NY	100 lb	2.15	American standard, NY	100 lb	49.62
Anhydrous, kegs	.75		Less c/l bags NY	100 lb	2.20	99% American, NY	100 lb	49.25
<b>SOLVENT NAPHTHA, 110 gal.</b>			Flour, Heavy, 290 lb bbls, 100 lb	2.50	3.05	Bichloride, 56% soln, 100 lb		
dra. wks.	.20	.30	Light, 100%, 260 lb bbls, 100 lb	2.60	3.15	bbls, wks.		.13%
8000 gal. tank cars wks	.24	.25	Rubbermakers 100%, 240 lb			Crystals, 500 lb bbls, wks		.35
Spartein Sulfate, USP, 250z bulk	.30	.40	bbls, NY	2.50	3.30	100 lb kegs, wks		.35%
Single oz. vial	.47		Commercial, 99%, 150 lb bags	1.35	1.65	Oxide, 400 lb bbls, wks		.52
Starch, rice, 140 lb bags	.09	.10	For Dyeing, 99%, 100 lb			100 lb kegs, wks		.23
<b>STRONTIUM Bromide, USP, 50 lb</b>			bags, NY	100 lb	2.00	Tetrachloride, 1000 lb dra wks		1.00
kegs	.41	.42	Flowers, 100%, 240 lb bbls			Sulfate, 350 lb bbls		1.10
Carb. 600 lb bbls, wks		.07	NY	100 lb	3.00	Toluene, 8000 gal tank cars, wks		1.10
100 lb kegs, wks		.08	Precipitated, 125 lb bbls NY	.14	.17	110 gal. dra. wks		.31
Iodide, USP, 25 lb jars		4.00	Lac, 125 lb bbls NY	.07	.10	Toluidine, Mixed, 900 lb dra. wks		.31
Nitrate, 600 lb bbls, wks		.10	Sulfur Chloride, red, 700 lb dra.			Triacetin, 50 gal. dra., wks		.37%
Imp. bbls, NY		.09%	wks.	.06	.07	Tribromophenol, 100 lb cans		1.00
Sallecyate, USP, 100 lb kegs	.70	.75	150 lb chrs. wks.		.08	Trional, see Sulfonethymethane		
<b>STRYCHNINE Alkaloid, USP, crys.</b>			Yellow, 700 lb dra. wks.	.05	.05	Triphenylguanidine		.80
100 oz. tins		.71	150 lb chrs. wks.		.07	Triphenyl Phosphate, 450 lb bbls		.55
Alk. powd., USP		.61	Sulfur Dioxide, 100 lb cyl.	.08	.08%	Tripoll, 500 lb bbls	100 lb	2.50
Acetate		.78	Iodide, USP, VIII, 5 lb bot.		4.55	Tungsten NY	WO <sub>2</sub> unit	8.25
Glycerophosphate, USP		.78	Sulfuric Ether, see Ether			Ultramarine Blue		.15
Hydrobromide		.78	Sulfuryl Chloride, 600 lb dra.	.75	1.00	UREA, pure, 112 lb cans		.18
Hydrochloride		.78	<b>TALC, Italian 220 lb bags NY</b>	40.00	50.00	<b>VANILLIN, USP, 5000z cans</b>		.49%
Hypophosphite		.88	Refined white, bags	60.00	80.00	Cans, 80 ozs.		.50
Nitrate, USP		.78	French, 220 lb bags, NY	30.00	35.00	Cans, 16 ozs.		.51
Phosphate		.78	Refined, white, bags	35.00	45.00	Second Hands		.45
Sulfate, USP, crys. powd.		.49%	Dom., crude, 100 lb bags NY	18.00	15.00	Venetian Red		.05
Saccharinate		1.90	Refined, 100 lb bags NY	16.00	18.00	Verdigris, see Copper Subacetate		
Strychnine preparations quoted bases			Tar, Coal Gas, Tks, wks.	.06	.08	Vermilion, Amer. 100 lb kegs	.35	.40
1000z lots in 1000z tins. Small Sizes:			Coke Oven Tks, wks.	.07	.08	Vermilion, Amer. 100 lb kegs	1.30	1.35
1/4 oz vials, 50c extra; 1/2 oz vials, 25c			Water Gas, Tks, wks.	.06	.08	Veratrine Sulfate, 1oz vial		1.85
extra; single ounce vials, 7c extra. Lots			Tartar Emetic, tech. 700 lb bbls	.24	.25	Veronal, see Acid Diethylbarbituric		1.85
of 25 oz. 5c higher than above			USP, 300 lb bbls	.31	.34	WHITE LEAD, see lead, white		
schedule. Lots of less than 25 oz.			Terpin Hydrate, USP, 100 lb kegs	.60	.62	White Precipitate, see mercury		
10c higher per oz.			Terpineol, CP 1000 lb drums	.48	.50	Whiting, 200 lb bags, c/l wks	18.00	15.00
Sugar Coloring, bbls	.63	.72	Cans, 50 lb	.53	.57	Bags, 1c/l NY	ton	18.00
Sugar Milk, USP, 200 lb bbls	.21%	.22	Imported, cans, 25 lb	.95	1.20	Gilders, bags, NY	ton	18.50
Second Hands, USP, bbls	.20	.21	Terperyl Acetate, 25 lb cans	1.85	1.80	French, bags, NY	ton	21.00
anifonal, see Sulfonmethane			No. 2, bbls.	1.25	1.35	English, bags, NY	ton	21.00
Sulfonethymethane, USP, 10 lb bbs	3.85	4.05	Theobromine Alk., 5 lb cans	4.00	4.10	Witch Hazel Extract, 50 gal. bbls	gal	1.05
Sulfonmethane, USP, 10 lb bbs	2.65	2.85	and Sod. Sallecyate, 1 lb bot.		3.42			

**R. W. GREEFF & CO.**  
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Manufacturers' Agents

Amyl Acetate  
=  
Amyl Alcohol  
=  
Butyl Acetate  
=  
Acetine  
=  
Monacetine — Triacetine  
=  
Dibutylphthalate

PRICES CURRENT SECTION



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for COAL TAR SOLVENTS are  
**STANDARD**

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*Coast to Coast Producing Points!*

## Chemicals

XYLENE, 3° dist range, nitration		
110 gal. drs. NY.....gal	.45	.50
5° dist. range, 8000 gal. tanks		
110 gal. drs. wks.....gal	.35	.40
10° dist. range, drums, wks.....gal	.40	.45
Tanks, wks.....gal	.35	.40
Commercial 110 gal. drs., wks.gal	.25	.30
Tanks, wks.....gal	.25	.30
Xylidine.....lb	.40	.45
YARA YARA, 1 lb tins.....lb	1.75	2.00
Yohimbin Hydrochloride, 1 oz. vial.oz	3.00	3.57
ZINC, METAL, high grade, slabs		
c/1 NY.....100lb	8.25	
Common Slabs, c/1 NY.....lb	6.57½	
Mosey, 25 lb bxs NY.....lb	.14	
Ammonium Chloride, powd., 400 lb		
bbls.....lb	.07½	.08
Carb. tech. 150 lb kegs NY.....lb	.20	
USP, 100 lb kegs.....lb	.33	
Chloride, fused, 600 lb drs.wks.lb	.06	
Drs. c/1 wks.....lb	.04½	.05
Gramulated, 500 lb bbls.wks.lb	.07	.07½
Imported, drs. NY.....lb	.06½	.06¾
Solution, 50%, tanks wks100lb	2.25	2.50
USP, 25 lb jars.....lb	.27	.29
Cyanide, 100 lb drs.....lb	.40	.41
Dust, 100 lb tins wks.....lb	.09½	.10
500 lb bbls., kegs, c/1 wks.lb	.09	.09½
500 lb bbls., kegs, c/1 wks.lb	.08½	.09
Iodide, 5 lb botas.....lb	5.28	
Nitrate, 25 lb jars.....lb	.45	
Oxide, Amer. 300 lb bbls, wks.....lb	.08½	.08
French, 300 lb bbls wks.....lb	.10½	.12½
Bbl c/1 wks.....lb	.08½	.11½
Bags, c/1 wks.....lb	.09½	.10½
USP, 100 lb bbls, c/1.....lb	.17	
For loss, wks.....lb	.18	
Imported, white seal, bbls.....lb	.12	
Green seal, bbls.....lb	.10	
USP 100 lb bbls.....lb	.19½	
Stearate, USP, 50 lb bbls.....lb	.18½	.19
Sulfate, 400 lb bbls., wks.....lb	.03½	.03¾
Bbls., c/1 wks.....lb	.03	.03
USP, 100 lb kegs.....lb	.08	.09
Sulfide, 500 lb bbls.....lb	.30	.33
Sulfocarbonate, 100 lb kegs.....lb	.32	.34

## Oils

Castor, No. 1, 400 lb bbls.....lb	.17	.17½
80 lb cases.....lb	.18	
No. 3, bbls.....lb	.16½	.17
Blown, 400 lb bbls.....lb	.18	
China Wood, bbls., spot NY.....lb	.16½	.16½
Tanks, Spot, NY.....lb	...	...
Nov., Dec. forw. arr. NY bbls.lb	...	.16½
Nov. forward, arrival NY tanks.lb	...	.15½
Coast. tanks, Oct.....lb	.15½	.15½
Oct., ths., Nov., Dec. forw..lb	.15½	.15½
Cocunut Ceylon, 375 lb bbls., NY.lb	.10½	.10½
8000 gal. tanks, NY.....lb	...	.09½
Cochin, 375 lb bbls., NY.....lb	.11	.11½
Tanks, NY.....lb	...	.09½
Manila tanks, P. Coast.....lb	...	.09½
Manila, tanks, NY.....lb	...	.09½
Edible, bbls., NY.....lb	...	.11½
Cod Newfoundland, 50 gal. bbls.gal	.62	.65
Tanks, NY.....gal	.55	.57
Copra, bags.....lb	.06	.06½
Corn, ref., 375 lb bbls., NY.....lb	...	.13½
Crude, tanks mills.....lb	...	.10½
Bbls., NY.....lb	...	.12½
Cottonseed, crude, ths., mill.....lb	.08½	.08½
P. S. Y., 100 bbls, NY.....lb	.10½	.11
White, 100 bbls, lots, NY.....lb	...	.13
Winter yellow, 100 bbls, NY.....lb	...	.13
Degras, Amer. 50 gal. bbls, NY.....lb	.04½	.04½
English, light, bbls, NY.....lb	.05½	.05½
Brown, bbls, NY.....lb	.04	.04½
Light brown, bbls, NY.....lb	.04½	.05
Dark, bbls, NY.....lb	.03½	.04
Neutral, bbls, NY.....lb	.10	.10
Moellon, bbls, NY.....gal	.50	.50
Greases, choice white, bbls, NY.....lb	.13½	.14
Yellow.....lb	.07½	.08
Brown.....lb	.07½	.08
House.....lb	.07½	.08
Bone naphtha.....lb	...	.06½
Herring, Tanks, Coast.....gal	...	Nom.
Horse, 375 lb bbls, NY.....lb	...	Nom.
Lard, prime steam, bbls.....lb	.17½	.17½
Compounds, bbls.....lb	...	.13½

LARD OIL, Edible prime, bbls.....lb	...	.18½
Off prime, bbls.....lb	...	.17½
Extra, bbls.....lb	...	.14½
Extra No. 1, bbls.....lb	...	.12½
No. 1, bbls.....lb	...	.12½
No. 2, bbls.....lb	...	.11½
LINSEED, raw c/1 bbls., spot.....gal	1.03	
Five bbls., raw.....gal	1.06	
Boiled, 5 bbl. lots.....gal	1.08	
Double boiled, 5 bbl. lots.....gal	1.09	
Raw, c/1 bbls.....gal	1.06	
Tanks.....gal	.94	
Oct., c/1 wks.....gal	1.00	
Nov., c/1 wks.....gal	.98	
Dec., Apr., c/1 wks.....gal	.97	
Imported, bbls, NY.....gal	...	...
Tanks, NY.....gal	...	...
Menhaden, crude bbls, wks.....gal	...	...
Crude, tanks, Balt.....gal	.52½	.55
Light strained, bbls, NY.....gal	.68	.70
Yellow bleached, bbls, NY.....gal	.71	.72
Extra bleached, bbls, NY.....gal	.73	.74
Blown, bbls, NY.....gal	...	...
Neatsfoot, 20° c.t. bbls., NY.....lb	...	.17½
Pure, bbls, NY.....lb	...	.15½
Extra, bbls, NY.....lb	...	.12½
No. 1, bbls, NY.....lb	...	.12½
Oleo Oil, No. 1, bbls, NY.....lb	.20½	.20½
No. 2, bbls, NY.....lb	.16½	.17
No. 3, bbls, NY.....lb	...	.14½
OLIVE, denatured bbls, NY.....gal	1.25	1.30
Edible, bbls, NY.....gal	2.15	2.25
Feeds, bbls, NY.....gal	.09½	.09½
Shipments.....lb	.09½	.09½
Palm Lagos, 1500 lb casks.....lb	...	Nom.
Niger casks.....lb	.08½	.08½
Bonny old Calabar, casks.....lb	...	Nom.
Palm Kernel, bbls, NY.....lb	.08½	.10½
Peanut, refined, bbls, NY.....lb	.17	.17½
Crude, mills buyers' ths.....lb	...	...
Crude, bbls, NY.....lb	...	...
Perilla, bbls, NY.....lb	.14½	.14½
Poppyseed, bbls, NY.....gal	2.25	2.50

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Messrs. Gebr. Waanning, Tilly, from Haarlem (Holland)  
write to us on the 23rd of October, 1922:—

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correct and the work done by you to our entire satisfaction.

"If any of our friends should be desirous of having his trade-  
mark also registered in India, we shall certainly recommend him  
your firm."

The Huntley Manufacturing Co., from Silver Creek, N. Y.,  
U. S. A., write to us on the 5th of January, 1923:—

"We wish to thank you for the manner in which you have handled  
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that you can attend to, we will be glad to place it in your hands."

Messrs. Max Dörner G. m. b. H., from Solingen (Germany)  
write to us on the 25th of January, 1923:—

"Please note that we are satisfied by your work, and that further  
registrations will also be trusted to you."

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CALCUTTA, INDIA

## Oils and Fertilizers

Rapeseed, refined, bbls N.Y.	gal	.94	: .95
Blown bbls, NY	gal	1.00	: 1.02
Red Oil, distilled, bbls	gal	.09 1/4	: .09 1/2
Saponified, bbls	gal	.09 1/4	: .09 1/2
Tanks	gal	.08 1/2	: .08 3/4
Salmon, 8000 gal. tks. Coast	gal	.13 1/2	: .14
Sesame, edible bbls	gal	.13 1/2	: .14
Sod Oil, bbls, NY	gal	.40	: .40
SOYA BEAN, crude tks. Coast	gal	.10 1/2	: .10 3/4
Crude, tks, NY	gal	.13	: .13 1/2
Crude, bbls, NY	gal	.13	: .13 1/2
Refined, bbls, NY	gal	.14	: .14 1/2
Sperm, 38° c.t. blechd. bbls. NY	gal	.86	: .88
45° cold test, blechd. bbls. NY	gal	.84	: .86
STEARIC ACID, s.p. 200 lb bags	lb	.10 1/2	: .11
Double pressed, bags	lb	.11	: .11 1/2
Double pressed, bgs, saponified	lb	.11	: .11 1/2
Triple pressed, bgs, distilled	lb	.12 1/2	: .13
Triple pressed, bgs, saponified	lb	.12 1/2	: .13
Stearine, oleo, bbls	gal	.13	: .13 1/2
Tallow, edible, tierces	gal	.10 1/2	: .10 3/4
City, extra, loco	gal	.08 1/2	: .09
Tallow Oil, acidless tks. NY	gal	.11	: .11 1/2
Bbls, c/1 NY	gal	.12 1/2	: .13
Walnut, crude bbls, NY	gal	.77	: .81
Whale, nat. winter bbls, NY	gal	.81	: .83
Blehd. winter bbls, NY	gal	.83	: .85
Extra Blehd. bbls, NY	gal	.85	: .87
Crude, No. 1, tanks Coast	gal	.87	: .89
Crude, No. 2, tanks Coast	gal	.89	: .91
Crude, No. 3, tanks Coast	gal	.91	: .93

### Fertilizer Materials

Blood, dried f.o.b., NY	unit	3.75	: 4.00
Chicago	unit	3.90	: 4.10
Bone, 3 & 50 gr. steam, Chgo.	unit	22.00	: 23.00
Raw, NY	unit	22.00	: 23.00
Cyanamide, NY, basis	unit	1.65	: 1.75
Fish Scrap, dried wis.	unit	4.80	: 5.00
Acid, Bulk 7 & 3 1/2, Deliv.	unit	4.25	: 4.50
Norfolk & Balt. basis	unit	4.25	: 4.50
Steamed Bone Meal, 3 & 50 Balt.	unit	26.00	: 27.00
Tankage, ground, NY	unit	3.50	: 3.75
High grade f.o.b. Chicago	unit	3.85	: 4.10

Ammon. Sulf., Bulk wks.	100 lb	2.55	: 2.65
Double, bgs., f.a.s. NY	100 lb	2.80	: 2.90
Single bgs., wks.	100 lb	2.75	: 2.85
NITRATE SODA, spot	100 lb	2.40	: 2.50
Future, Oct-June	100 lb	2.40	: 2.42 1/2
Phosphate Rock, f.o.b. mines	ton	2.25	: 2.35
Florida Pebble, 68%	ton	2.50	: 2.60
Florida Pebble, 70%	ton	2.50	: 2.60
Florida Pebble, 75-74%	ton	3.75	: 3.85
Tennessee, 72%	ton	5.50	: 5.60
Phosphate Acid, 16% Bulk wks.	ton	8.75	: 8.85
PCTASH	ton	34.55	: 34.65
Pot. Muriate, 80% basis, bgs/ton	ton	45.80	: 45.90
Pot. Sulfate, 90% basis, bgs, ton	ton	26.35	: 26.45
Dbie. Manure Salts, 48% basis	ton	17.03	: 17.13
Manure Salts, 30% basis, bulk ton	ton	10.53	: 10.63
Manure Salts, 20% basis, bulk ton	ton	7.75	: 7.85
Kainite, 12.4% basis, bulk ton	ton	7.75	: 7.85
Bulk in bags, \$2.00 extra	ton		
Price c.i.f. Atlantic & Gulf Ports	ton		
Discounts, 50 tons, 5%; 500 tons, 10%.	ton		

### Naval Stores

(Carloads ex-yard N. Y.)			
Spirits Turpentine, bbls	gal	.88	: .90
Wood Turpentine, stm. distd. bbls	gal	.80	: .82
Destructive distilled, bbls	gal	.68	: .70
Pine Oil, stm. dist. bbls	gal	.66	: .68
Pitch, prime	bbl	6.00	: 6.10
Rosins, (Sold in 600 lb bbls, gross for net, quotations based on a unit of 280 lb.)			
B	280 lb	6.75	: 6.85
D	280 lb	6.75	: 6.85
E	280 lb	6.75	: 6.85
F	280 lb	6.75	: 6.85
G	280 lb	6.75	: 6.85
H	280 lb	6.75	: 6.85
I	280 lb	6.80	: 6.90
K	280 lb	6.85	: 6.95
M	280 lb	7.05	: 7.15
N	280 lb	7.05	: 7.15
WQ	280 lb	7.85	: 7.95
WW	280 lb	8.55	: 8.65

Rosin Oil, first run, 50 gals. bbls	gal	.40	: .42
Second run, bbl	gal	.42	: .44
Tar, kiln-burnt	bbl	12.00	: 12.10
Retort	bbl	12.00	: 12.10

### Dye and Tan Woods

Barwood, chips	lb	.04 1/2	: .05
Camwood, chips	lb	.09	: .10
Divi Divi, pods, bags	ton	42.00	: 43.00
Fustic, sticks	ton	30.00	: 31.00
Chips	ton	.04	: .05
Hemlock, bark	ton	20.00	: 21.00
Hyperic. chips	lb	.06 1/2	: .07
LOGWOOD, sticks	ton	23.00	: 24.00
Chips 150 lb bags	ton	.03	: .03 1/2
Mangrove bark, African	ton	Nom.	: Nom.
Myrobalans, bags, JI	ton	46.00	: 47.00
R1	ton	43.00	: 44.00
J2	ton	34.00	: 35.00
Nutgalls, see Crude Drugs			
Oak bark, whole	ton	20.00	: 21.00
Ground	ton	23.00	: 24.00
Quercitron bark, rough	ton	10.00	: 11.00
Ground	ton	20.00	: 21.00
Sumac, Siliy, 160 lb bags	ton	170.00	: 175.00
Virginia, 150 lb bags	ton	40.00	: 41.00
Valonia Cups, 30-31% tan	ton	32.00	: 33.00
Beard, 42% tan, bgs	ton	48.00	: 49.00
Mixtures, 36% tan	ton	37.00	: 38.00
Wattle bark, bgs	ton	37.00	: 38.00

### Extracts

Range of prices includes quality  
range for large quantity.

Annatto, fine	lb	.23	: .24
Archil, double 600 lb bbls	lb	.13	: .14
Triple, 600 lb bbls	lb	.16	: .17
Conc., 600 lb bbls	lb	.18	: .19

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## Tannins and Dyestuffs

Chestnut, clarified, 25% tka. wks. D	.01% : .01%	Persian Berries	.27 : .30	<b>Crude Drugs</b>	
Bbbs., wks.	.02% : .03	QUEBRACHO, 35% liquid tka. D	.03 : .03%		
Powd., 60% 100 lb bags, wks. D	.05% : .05%	450 lb bbls.	.03% : .04	Acetoides Gum, yel.	.18 : .20
Decolorized, bags, wks. D	.06% : .07	35% bleaching, 450 lb bbls. D	.04% : .05%	ACONITE Leaves, bales.	.10 : .13
Cudbear, English	.18 : .20	Solid 65% 100 lb bales. D	.08% : .04	Root, USP, bags	.35 : .37
Cutch, Rangoon, 100 lb bales. D	.14 : .16	Clarified, bales	.04 : .04%	Agar Agar, 1, 200 lb bales. D	1.55 : 1.60
Borneo, solid, 100 lb bales. D	.04% : .05%	Quercitron, 51° 450 lb bbls. D	.06 : .08	No. 2, bales	1.50 : 1.55
Liquid, 450 lb bbls. D	.07% : .11	Powdered, 100 lb boxes. D	.09 : .13	No. 3, bales	1.35 : 1.40
Tablets, 120 lb boxes. D	.13 : .14	Spruce, 25% liquid tanks wks. D	.01 : .01%	Agaric, white, cases. D	2.75 : 3.00
Flavine	.95 : 1.00	Powd., 60% 100 lb bags wks. D	.02 : .02%	Almonds, bitter, bags bxs. D	.60 : .65
Puride, solid 50 lb boxes. D	.20 : .22	Sumac, liquid 450 lb bbls. D	.06 : .07%	Sweet, bags	.57 : .60
Crystals, 100 lb boxes. D	.20 : .22	Stainless, 600 lb bbls. D	.11 : .12	Meal, tins, boxes	.24 : .26
Liquid, 51°, 600 lb bbls. D	.10 : .14	<b>DYERS' SUNDRIES</b>		Alatris Root, bags. D	.43 : .44
Gall extract	.16 : .18	Albumen, technical, egg 200 lb cs. D	1.30 : 1.30	Alkanet Root, bags	.06 : .06%
Gambler, 25% liq. 450 lb bbls. D	.12 : .14	Blood, 100 lb drs. D	.45 : .50	Aloes, Barbadoes, 120 lb bbls. D	.65 : .70
Common, 200 lb cases	.15 : .15%	Egg Yolk, Spray, 150 lb cs. D	.45 : .65	Cape, 400 lb cases	.09 : .09%
Singapore cubes, 150 lb bags. D	.23 : .25	British Gum, 140 lb bags c/l 100 lb	4.82 : 4.82	Curacao, 100 lb cases	.10% : .11
HEMATINE, Paste, 500 lb bbls. D	.09% : .13	Bags, c/l	4.92 : 4.92	Socotrine, whole 100 lb cs. D	.30 : .32
Crystals, 400 lb bbls. D	.12 : .20	Dextrin, corn 140 lb bags c/l 100 lb	4.52 : 4.52	Select, cakes, D	.35 : .37
Hemlock, 25% 600 lb bbls. wks. D	.03% : .03%	Bags, lc/l	4.62 : 4.62	Althea Root, cut cases. D	.22 : .24
Hyperric, 51°, 600 lb bbls. D	.16 : .18	Yellow, bags c/l	4.57 : 4.57	Whole bags	.08 : .09
Indigo, Madras, bbls	.85 : .90	bags, lc/l	4.67 : 4.67	Ambergris, black boxes	8.00 : 10.00
Manilla, bbls.	1.30 : 1.30	Potato 220 lb bags c/l	.08 : .08	Grey, boxes	26.00 : 26.00
Larch, 25%, 600 lb bbls., wks. D	.03% : .04	Bags, lc/l	.08% : .08%	Ammoniac, tears, bags	.68 : .73
Powd., 100 lb bags, wks. D	.07 : .08	Yellow, 220 lb bags. D	.07% : .07%	Angelica Root, dom. bags. D	.12 : .13
Logwood, 51°, 600 lb bbls. D	.07 : .09	Taploca, 200 lb bags, lc/l	.09 : .09%	Angostura Bark, bags	.15 : .16
Lower grades	.07 : .08	Prussian blue	.35 : .40	Anise, Levant bags	.13 : .14
Solid, 50 lb boxes. D	.09 : .15	Sago Flour, 150 lb bags. D	.03% : .03%	Russian, bags	.13 : .14
Madder, Dutch	.28 : .30	STARCH, powd., 140 lb bgs. c/l 100 lb	3.97 : 3.97	Star, cases	.11 : .11%
Mangrove, 55% 400 lb bbls. D	.04% : .05	Bags, lc/l	4.07 : 4.07	Spanish, bags	.14% : .15
Myrobalsam, 25% liquid bbls. D	.04 : .05	Pearl, 140 lb bags c/l	3.97 : 3.97	Annatto Seed, 200 lb bags. D	.22 : .23
50% solid, 50 lb boxes. D	.05 : .05%	Bags, lc/l	3.97 : 3.97	ARABIC GUM.	
Oak, tanks, wks.	.04 : .04%	Potato, domestic, 200 lb bags. D	.05% : .06	White, No. 1, 200 lb bags. D	.26 : .27
23-25% liq. 600 lb bbls. wks. D	.04% : .04%	Imported, bags duty paid. D	.06% : .06%	Seconds, 250 lb bags	.24 : .25
Orange Orange, 51° liquid. D	.07 : .08	Taploca Flour, high grade bags. D	.06 : .06%	Sorts, amber, 200 bgs. bbls. D	.11% : .12
Powd. 100 lb bags. D	.14 : .15	Medium grade bags	.05% : .05%	Powd., USP, 300 lb bbls. D	.18 : .20
		Low grade, bags	.04 : .05	Area Nuts, 150 lb bags. D	.08 : .08
		Turkey Red Oil, bbls. D	.11 : .12	Powd., 200 lb bbls.	.14 : .15
		Yolk Oil, bbls. D	.35 : .35	Arrica Flowers, bales. D	.08 : .08%
				Root, bags	.25 : .30
				Arrowroot, Amer., powd. bbls. D	.10% : .11
				St. Vincent, powd. bbls. D	.14% : .15
				Asafetida, USP, 250 lb cases. D	.32 : .34
				Powd., 50 lb bxs.	.36 : .40
				BALM GILEAD BUDS, bags. D	.40 : .45
				Balmory Herbs, bales. D	.14 : .14

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## Crude Drugs

<b>BALSAMS</b>			Canella Alba Bark, bales.....	b	.50	: .52	Cinnamon, Ceylon, bales.....	b	.35	: .37			
Copaiba, Para, 80 lb cs.....	b	.29	: .31	Cannabls, true Imp. bags.....	b	...	: ...	Broken, bales.....	b	.24	: .26		
South American, 80 lb cs.....	b	.37	: .39	American (no assay) bales.....	b	.40	: .50	Clivet, Abyssin horns.....	os	2.75	: 3.75		
Flr Canada, cans.....	gal	10.25	: 11.25	USP.....	b	.70	: .85	Clover Tops, bags.....	b	.18	: .20		
Oregon, bbls, cans.....	gal	.90	: 1.00	Cantharides, Chinese cases.....	b	.95	: 1.00	Cloves, Zanzibar, 135 lb bales.....	b	.27 1/2	: .28		
Peru, 120 lb cases.....	b	1.75	: 1.80	Powdered, boxes.....	b	1.15	: 1.20	Ambonyas, bales.....	b	.30	: .31		
Tolu, 90 lb cases.....	b	1.85	: 1.95	Cantharides, Russian, cases.....	b	.80	: .85	Penang, bales.....	b	.40	: .42		
Bamboo Brier Root, bags.....	b	.05 1/2	: .06	Powdered, boxes.....	b	1.00	: 1.10	Cochineal, USP, boxes.....	b	.34	: .35		
Barberry Bark, tree bales.....	b	.11	: .13	Caraway Seed, African, bags.....	b	.09 1/2	: .10	Coca Leaves, Huancoco bags.....	b	...	: ...		
Root, bags.....	b	...	: ...	Dutch, 11 lb bags.....	b	.10	: .10 1/2	Truxillo, bags.....	b	...	: ...		
Bayberry Bark, bales.....	b	.10	: .12	Cardamom, bleached, cases.....	b	1.75	: 2.00	Cohosh Root, Black bags.....	b	.08	: .08 1/2		
Wax, bbls.....	b	.21	: .22	Decorated, cases.....	b	1.70	: 1.85	Blue, bags.....	b	.10	: .10 1/2		
Belladonna Leaves, bales.....	b	.25	: .26	Green, grinding, bags.....	b	1.40	: 1.45	Colchicum Root, bags.....	b	.07	: .08		
Root, bags.....	b	.11	: .12	Carrauba Wax, Flor. bags.....	b	.39	: .42	Seed, bags.....	b	.08 1/2	: .09		
Bees Wax, white cases.....	b	.40	: .42	No. 1 N Country bags.....	b	.34	: .36	Colocynthis, apples, cases, bales.....	b	...	: ...		
Yellow, refined, cases.....	b	.25 1/2	: .28	No. 2 N Country bags.....	b	.23	: .30	Pulp, USP, bales.....	b	.28	: .30		
Crude, bags.....	b	.23	: .25	No. 3 Fatty Gray, bags.....	b	.22	: .23	Colombo Root, whole bags.....	b	.03	: .03 1/2		
Benzoin Gum, Siam, boxes.....	b	1.30	: 1.35	No. 3 Chalky, bags.....	b	.22	: .23	Coltsfoot Leaves, bags.....	b	.05	: .06		
Sumatra, 80 lb boxes.....	b	.23	: .24	Cascara Amarga, 150 lb bales.....	b	...	: 2.50	Comfrey Root, bags.....	b	.13	: .14		
Berberis Aquifolium Root, bags.....	b	.14	: .15	Cascara Sagrada, bales, 1920-22	b	...	: ...	Condurango Bark, bales.....	b	.19	: .22		
Both Root, bags.....	b	.28	: .30	bark.....	b	.21	: .23	Conium Seeds, bags.....	b	.12	: .14		
Bitter Root, 100 lb bags.....	b	.40	: .42	1923 bark.....	b	.18	: .20	Copaiba Balsam Para, see Balsams	b	...	: ...		
Blackhaw Bark, root, bales.....	b	.34	: .36	1924 bark.....	b	.14	: .15	Copal Gum.....	b	.12	: .13		
Tree, bales.....	b	.15	: .18	Cascarilla Bark, quills bales.....	b	...	: ...	Coriander Seed, Bombay bales.....	b	.06	: .06 1/2		
Black Indian Root, 100 lb bags.....	b	.40	: .42	Siftings, bbls.....	b	...	: ...	Morocco, bags.....	b	.07	: .07 1/2		
Blood Root, bags.....	b	.14	: .15	Castia Bush, 66 lb cases.....	b	.13 1/2	: .13	Bleached, bags.....	b	.10 1/2	: .11		
Blueflag Root, bags.....	b	.25	: .27	China, Whole Rolls, cases.....	b	.07 1/2	: .08	Corn Silk, bales.....	b	.04 1/2	: .05 1/2		
Boldo Leaves, bales.....	b	.20	: .21	Saigon, assort. bales.....	b	.30	: .31	Cotton Root Bark, bales.....	b	.14	: .15		
Bonest Herb, bales.....	b	.08	: .09	Castia Pistula, baskets.....	b	.09	: .10	Cowhage, ca. tins.....	os	.28	: .30		
Borage Flowers, bales.....	b	.17	: .20	Castile Soap, USP, powd., 200 lb	b	...	: ...	Cramp Bark, so-called bales.....	b	.07	: .08		
Bryonia Root, bags.....	b	.10	: .11	bbls.....	b	.27	: .28	True, bags.....	b	.30	: .32		
<b>BUCHU LEAVES, short, 250 lb</b>			bales.....	Castor Beans, bags.....	b	.03	: .03 1/2	Cranesbill Root, bags.....	b	.16	: .18		
Less, bales.....	b	.61	: .63	Castoreum, 1 lb bot.....	b	4.00	: 4.50	CUBES BERRIES, XX bags.....	b	.60	: .65		
Long, bales.....	b	...	: ...	Catechu Gum, bags.....	b	.11	: .12	Powdered, boxes.....	b	.63	: .65		
Blackburn Bark, bags.....	b	.05	: .05 1/2	Catnip Herb, bales.....	b	.23	: .29	Culvers Root, bags.....	b	.22	: .23		
Burdock Root, bags.....	b	.13	: .15	Celery Seed, 220 lb bags.....	b	.31 1/2	: .32	Cumin Seed, Levant bags.....	b	.20	: .22		
Burgundy Pitch, dom., 110 lb staves	b	...	: ...	Ceratin Wax, white bags.....	b	.10 1/2	: .11	Malta, bags.....	b	.19	: .19 1/2		
Gross for net.....	b	...	: .05	Yellow, 200 lb bags.....	b	.09	: .10	Morocco, bags.....	b	.18	: .18 1/2		
Calabar Beans, bags.....	b	.14	: .15	<b>CHAMOMILE FLOWERS, Roman</b>			b	.40	: .42	Cuttlefish Bone, Trieste, straps.....	b	.13	: .14
Calamus Root, bleached cases.....	b	.33	: .35	case bales.....	b	.07	: .07 1/2	Jewels, large, straps.....	b	...	: .50		
Unbleached, bags.....	b	.06	: .07	Hung. case bales.....	b	.06	: .06 1/2	Small, straps.....	b	...	: .35		
Calendula Petals, imp. bales.....	b	.18	: .20	Charcoal Willow, powd. bbls.....	b	.04	: .05	French straps.....	b	.13 1/2	: .14		
Callisaya Bark, bales, powd.....	b	.25	: .26	Wood, powd. bbls.....	b	.07	: .08	Powdered, boxes.....	b	.13	: .14		
Camphor, see Chemicals	b	...	: ...	Chestnut Bark, bags.....	b	.06	: .06 1/2	Broken, boxes.....	b	.25	: .25 1/2		
Canary Seed, Morocco bags.....	b	.07 1/2	: .08	Herb, bales.....	b	.10	: .12	Damiana Leaves, bales.....	b	.13	: .14		
South American, bags.....	b	.07	: .07 1/2	Chicle Gum, bags.....	b	.48	: .50	Dandelion Root, imp. bags.....	b	.40	: .45		
Candella Wax, bags.....	b	.23	: .25	Chiretta, bales.....	b	.24	: .25	Deer Tongue Leaves, bales.....	b	.09	: .09 1/2		
				Cinchona Bark, red quills bales.....	b	...	: ...						
				Broken bales.....	b	...	: ...						

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Digitalis Leaves, bales.....lb	.07	.08	Grindelia Robusta Herb, bales...lb	.07%	.08%	LADY SLIPPER ROOT, bags...lb	.50	.55
Dill Seed, bags.....lb	.06	.07	Guaiac Gum, 80 lb cases.....lb	.42	.44	Larkspur Seed, bags.....lb	...	...
Dogwood Bark, Jamaica bags...lb	.10	.11	Guarana, tins, cases.....lb	.65	.70	Laurel Leaves, bales.....lb	.04%	.05
American, bales.....lb	.07	.08	GUM, see Aromatic Gum, etc.			Lavender Flowers, ordinary...lb	.22	.26
Doggrass Root, USP, cut bags...lb	.10	.11	HELLEBORE ROOT,			Selected.....lb	.30	.40
Dragons Blood, mass cases...lb	.65	.70	Black, bbls.....lb	.08	.10	Leeches, tubs.....Per 100	3.90	4.50
Reeds, boxes.....lb	.85	.90	Powdered.....lb	.15	.17	Lemon Peel, bags.....lb	.08	.09
ECHINACEA ROOT, bags.....lb	.31	.32	White, Powd., 250 lb bbls...lb	.11	.12	Licorice Root, Russian, whole...lb	.07	.07%
Elecampane Root, bags.....lb	.09	.10	Helonias Root, (unicorn false) bags.....lb	.70	.73	Spanish, natural bales.....lb	.08%	.09
Elder Flowers, bags.....lb	.11	.14	Hemp Seed, Manchurian bags...lb	.03%	.04	Powdered, bbls.....lb	.09	.09%
Elomi Gum, 80 lb cases.....lb	.10	.11	No assay.....lb	.03%	.04	Selected, 2 & 5 lb bundles...lb	.14	.17
Elm Bark, select 5 lb bundles cases...lb	.26	.27	Henna Leaves, bales, USP...lb	.27	.29	Cuttings, 125 lb bags.....lb	.06	.06%
Grinding, bags.....lb	.16	.18	Henna Leaves, bales.....lb	.09%	.10	Greek, 150 lb bales.....lb	.03	.08%
Powdered, bbls.....lb	.23	.25	Honey, Calif., 120 lb cases...lb	.12	.13	Life Everlasting Herbs, bales...lb	.05	.06
ERGOT, 150-200 lb bags.....lb	.31	.32	Hops, N. Y. prime bales.....lb	.28	.30	Lime Juice, clarified bbls...gal	.60	.65
Eucalyptus Leaves, bales.....lb	.05	.08	Pacific Coast prime bales...lb	.25	.27	Linden Flowers, with leaves, bales lb	.10	.11
Euphorbia Pilulifera Herb, bags lb	.10	.11	Horhound Herb, bales.....lb	.10	.11	Without Leaves, bales.....lb	.17	.18
Euphorbium Gum, cases.....lb	.25	.27	Horsetail Rush, bags.....lb	...	.15	Liverwort Leaves, bales.....lb	.19	.20
Powdered, boxes.....lb	.40	.42	India Gum, see Karaya			Lobelia Herb, bales.....lb	.25	.27
Fennel Seed, French, bags.....lb	.10	.10%	INSECT FLOWERS, open whole			Lobelia Seed, bags.....lb	.62	.63
German, bags.....lb	.13	.17	Bales.....lb	.37	.39	Lovage Root, Imported, bags...lb	.18	.20
Indian, bags.....lb	.07	.07%	Closed whole, bales.....lb	.39	.41	Lupulin, boxes.....lb	1.15	1.20
Flax Seed, whole 180 lb bbls...ca	13.00	13.50	Powdered, pure 200 lb bbls...lb	.46	.48	Domestic.....lb	1.15	1.20
Ground, 180 lb bbls.....lb	.07%	.08	Flowers and Stems, 50 p.c. 200 lb bbls.....lb	.32	.33	Lycopodium, 88 lb cs.....lb	.34	.35
Fenugreek Seed, 200 lb bags...lb	...	...	Ipecac Root, Cartagena, bags lb	2.30	2.40	MACA, Siam, No. 1 cases.....lb	...	...
Fish Berries, 100-125 lb bags...lb	...	...	Powdered, 200 lb bbls, bxs. lb	2.40	2.50	Banda, No. 1 cases.....lb	...	...
Fringe Tree Bark, bags.....lb	.20	.21	Rio Whole, bags.....lb	2.20	2.25	Batavia, No. 2 cases.....lb	...	...
Fumigating Pastilles, Black, 1 lb bxs.....lb	.17	.18	Powdered, 200 lb bbls, bxs. lb	2.30	2.35	West India, cases.....lb	.66	.68
Red, 1 lb. bxs.....lb	.17	.18	Istinglass, American, 130 lb cs. lb	.75	.80	Malva Flowers, blue bales.....lb	.35	.37
GALANGAL ROOT, bags.....lb	.07%	.08	Russian (Beluga) bxs. ctms. lb	4.00	4.50	Black, bales.....lb	.55	.60
Galbanum Gum, cans.....lb	.80	.95	JABORANDI LEAVES, bales...lb	.10	.10%	Manna, large flake cases.....lb	.77	.79
Gambier Gum, bags.....lb	.15%	.16	Jalap Root, whole, 150 lb bags lb	.29	.35	Small flake, cases.....lb	.41	.42
Gamboge Gum, 100 lb cases.....lb	.74	.75	Powdered, USP, 250 lb bbls...lb	.34	.36	Sorts, cases.....lb	...	.30
Powdered, cases.....lb	.83	.85	Japan Wax, White bags.....lb	.16%	.17	Mandrake Root, bags.....lb	.11	.12
Gelsemium Root, bags.....lb	.11	.11%	Job's Tears, white bags.....lb	.15	.16	Mastic Gum, 120 lb cans.....lb	.55	.57
Gentian Root, bags.....lb	.08%	.09	Jundor Berries, 125 lb bags...lb	.04%	.04%	Mezerion Bark, bags.....lb	.11	.12
Ginger, African, bags.....lb	.17	.17%	KAMALA, boxes.....lb	1.05	1.10	Matico Leaves, bales.....lb	.12	.13
Jamaica, grinding, bags, bbls. lb	.26	.32	Karaya Gum, powdered, bbls. lb	.10	.12	Marjoram Leaves, German bales lb	.17	.22
Japan, bags.....lb	.16%	.17	Kava Kava Root, bags.....lb	.12	.12%	French, bales.....lb	.18	.20
Cochin, ABC & Lemon, bags...lb	.21%	.22	Kino Gum, black cases.....lb	.50	.55	Millet Seed, dom. yellow bags...lb	.03%	.04
Ginseng Root, cultivated, bags...lb	8.00	10.00	Kola Nuts, 150 lb bags.....lb	.04%	.05	Montan Wax, crude bags.....lb	.05%	.06
Northwestern Wild, bags.....lb	12.00	14.00	Kosmo Flowers, bags.....lb	1.50	1.75	Bleached.....lb	...	...
Southern Wild, bags.....lb	9.00	11.00				Moss, Iceland bales.....lb	.07%	.08
Golden Seal Root, bags.....lb	8.70	3.80				Irish, bleached, bales.....lb	.08%	.09
Powdered, boxes.....lb	3.90	4.00				Selected, bales.....lb	.10	.10%
Grain of Paradise, bags.....lb	.15	.16				Mullein Flowers, tins.....lb	.90	1.00

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Musk, pods, Carbadine, tin.....	16.00	17.00	Patchouli, Leaves, bales.....	.18	.18	Rosemary Flowers, cases bales....	.25	.28
Toouquin.....	22.00	25.00	Pongroyal Herb, bales.....	.08	.12	Rose petals, pale.....	.22	.28
Grain Cab.....	25.00	26.00	Pepper, black Sing. bags.....	.10½	.12	Red, bales.....	.65	.70
Toouquin.....	25.00	28.00	White, bags.....	.18½	.19	Roe Herb, bales.....	.18	.22
Synthetic, see Chemicals.....			Peppers, red Mombasa, bags.....	.10	.10½	SABADILLA SEED, bags.....	.13	.14
Musk Root, Russian bags.....	2.10	2.35	Cherries, bags.....	.14	.16	Powder, bbls.....	.15	.16
Mustard Seed, Bari brown bags....	.12	.12½	Bombay, bags.....	.12	.14	Saffron Flowers, Amer. bales....	.72	.75
Bombay, brown.....	.09	.10	Japan, bags.....	.22	.24	Valencia, 1 lb cans.....	38.00	40.00
California, brown.....	.11	.11½	Peppermint Leaves, imp. bales....	.22	.24	Sage, Dalmatian bales.....	.05	.05½
Yellow.....	.11	.11½	Cuts, bales.....	.12	.14	Greek, bales.....	.04½	.05
Chinese yellow.....	.05	.05½	Domestic leaf.....	.18	.19	Spanish, bales.....	.03	.03½
English, yellow.....	.10½	.11	Peru Balsam, see Balsams.....			Sandalwood, chips bags.....	.17	.18
Dutch, yellow.....	.07½	.08	Pichl Leaves, bags.....	.42	.47	Ground, bags.....	.21	.22
Danish, yellow.....	.09	.09½	Pimento, select bags.....	.08	.08½	Sandarac Gum, 300 lb bbls....	.29	.30
Myrrh Gum, select 200 lb cs.....	.24	.26	Pink Root, true bags.....	.80	.85	Sassafras Root, Honduras, bales..	.58	.60
Sorts, cases.....	.20	.22	Pitch, Burgundy, see Burgundy Pitch			Mexican, bales.....	.18	.19
NUTGALLS, Chinese, bags.....	.17	.18	Pleurisy Root, bags.....	.22	.22	Sassafras Bark, ordinary bales....	.15	.17
Aleppy, bags.....	.14	.15	Plantain Leaves, bales.....	.15	.15	Select, bales.....	.28	.29
Nutmegs, 110s cases.....	.50	.51	Poke Berries, bags.....	.15	.15	Savory Leaves, bales.....	.06	.06½
75s, 80s cases.....	.54	.56	Poke Root, bags.....	.08	.09	Saw Palmetto Berries, bags.....	.09	.10
Nux Vomica Buttons, bags.....	.04½	.05½	Pomegranate Bark, of root bags..	.30	.30	Scammony Resin, boxes.....	1.20	1.30
Powdered, 200 lb bbls.....	.08	.09	Of Fruit, bags.....	.30	.30	Scammony Root, bags.....	.06½	.07
OAK BARK, red bags.....	.05	.06	Of Tree.....	.30	.30	Senega Root, bags.....	.57	.59
White bags.....	.06	.07	Poppy Flowers, red bags.....	.25	.28	SENNA, Alex 150 lb cases.....	.21	.23
Olibanum Gum, sift 280 lb cases..	.10	.10½	Poppy seeds, Dutch, bags.....	.14	.14½	Half Leaf, 350 lb bales.....	.13	.15
Tears, 280 lb cases.....	.12	.12½	German, bags.....	.11	.12	Sittings, 400 lb bales.....	.10	.11
No. 1, all white 280 lb			Turkish, bags.....	.07	.07½	Powdered, 200 lb bbls.....	.14	.14½
cases.....	.22	.23	Blue Indian, bags.....	.09	.09½	Timevelly, job 350 lb bbls....	.11	.14½
Opium, gum, USP, cases.....	12.00	13.00	White Indian, bags.....	.08	.08½	Grinding, 350 bales.....	.05	.07
Granular, cans.....	13.00	14.00	Prickly Ash Bark, Southern, bags..	.24	.26	Powdered, 200 lb bbls.....	.08	.09
Powdered, USP, cans.....	13.00	14.00	Northern, bags.....	.14	.16	Pods, 350 lb bales.....	.15	.17
Orange Flowers, cases.....	.50	1.00	Prickly Ash Berries, bags.....	.14	.16	Serpentaria Root, bags.....	.85	.86
Orange Peel, bitter, bags.....	.07½	.07½	Prince's Pine, bales.....	.25	.30	Shellac, D.C., bags.....	.77	.79
Sweet, bags.....	.10	.11	Pulsatilla Herb, bags.....	.16	.18	V.S.O. bags.....	.77	.79
ORRIS ROOT Florentine bold bags..	.07	.68	Pumpkin Seed, bags.....	.18	.20	Diamond I. bags.....	.77	.79
Powdered, 200 lb bbls.....	.09	.09½	QUASSIA CHIPS, bags.....	.07	.07½	Supertine, Orange, bags.....	.66	.67
Verona, bags.....	.09	.09½	Queen of the Meadow Herb, bags..	.70	.85	Fine, bags.....	.65	.66
Powdered, 200 lb bbls.....	.07½	.69	Quince Seed, bags.....	.05	.05½	T.N., bags.....	.62	.63
Pinegum, cans.....	.50	.55	NAPE SEED, South Amer. bags....	.05	.05½	Garnet, A. C.....	.57	.58
Cookerite Wax, brown hard bags..	.23	.24	Dutch, bags.....	.05	.05½	Button, bags.....	.74	.75
Green, hard bags.....	.27	.28	Japanese, small, bags.....	.05½	.06	Bleached, ground, bbls.....	.61	.63
Refined, yellow bags.....	.27	.28	Raspberries, dried boxes.....	.56	.60	Bone Dry, bbls.....	.73	.74
PAPRIKA, bag.....	.18	.24	Red Saunders.....	.17	.19	Simaruba Bark, bales.....	.07	.08
Hungarian.....	.26	.28	Rhatany Root, bags.....	.09	.10	Sideritis Herb, cut bags.....	.15	.18
Parula Brava Root, bags.....	.13	.14	RHUBARB, Root, H.D., cases....	.35	.37	Skullcap Leaves, Eastern, bales..	.65	.70
Parley Seed, bags.....	.09	.10	Powdered, 200 lb bags.....	.40	.42	Western, bales.....	.34	.38
			Rosemary Leaves, bales.....	.04½	.05	Sloe Berries, bags.....	.03	.04

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Snake Root, Canada natural bags..	.45	: .50
Stripped, bags .....	.50	: .65
<b>SOAP BARK, whole, 150-200 lb</b>		
bales .....	.08	: .08½
Cut, 125-175 lb bags .....	.09½	: .10
Crushed, 200 lb bbls. ....	.10	: .10½
Powdered, 200 lb bbls. ....	.12	: .13
Spear-mint Leaves, American bales..	.15	: .22
Spermoceti, blocks, cakes, cases..	.43	: .45
Spikenard Root, bags .....	.23	: .24
Spruce Gum, boxes .....	1.00	: 1.50
Squaw Vine, bales .....	.13	: .20
Squills, white .....	.04½	: .05
Powdered, bulk .....	.35	: .40
Stavesacre Seed, bags .....	...	: ...
Sticklac, Siam, 250 lb bales .....	.44	: .46
Stillingia Root, bags .....	.11½	: .12
Stone Root, bags .....	.09	: .10
<b>Storax, liquid artif. ....</b>	.70	: .75
Gen. USP .....	.90	: 1.00
St. Ignatius Beans, bags .....	.12	: .13
St. John's Bread, bags .....	.03	: .05
Stramonium Leaves, bales .....	.06½	: .07½
Stramonium Seed, bags .....	.12	: .13
Strophanthus Seed, Hlapius .....	.42	: .44
Kombe, bags .....	.43	: .45
Sundflower Seed, domestic bags .....	.06	: .06½
South American, bags .....	.05	: .05½
<b>TAGALDER BARK, bags .....</b>	.05	: .06
Tamarinds, bbls. ....	.05½	: .06
Kegs .....	...	: 3.50
Tansy Herb, bales .....	.18	: .19
Tar, Barbados, 50 gal. bbls. ....	1.40	: 1.50
Thus Gum, 280 lb bbls. ....	...	: ...
Thyme, Spanish bales .....	.05½	: .06½
French, bales .....	.08	: .08½
Tilia, See Linden		
Tolu Balsam, see Balsam		
Tonga Bark, bags .....	.27	: .29
Tonka Beans, Angostura, cases .....	2.15	: 2.25
Para, cases .....	.75	: .80
Surinam, cases .....	...	: ...

Tragacanth Gum, No. 1, ribbon	1.15	: 1.20
No. 2 to No. 6, cases .....	.90	: 1.16
Powdered, 50 lb boxes .....	.80	: .82
Turkish, cases .....	.70	: .85
Turmeric Root, Madras bags .....	.12½	: .13
Aleppy, bags .....	.10½	: .11
Powdered .....	.12	: .13
China, bags .....	.09	: .09½
Turpentine, Venice, true 80 lb cs. ....	.15	: .16
Artificial, 80 lb cases .....	.11	: .12
Spirits, see Naval Stores		
<b>UNICORN ROOT, false, see Heloni</b>		
True, see Aletris		
Uva Ursi Leaves, bales .....	.04½	: .05
<b>VALERIAN ROOT, Belgian bags .....</b>	.09½	: .10
Vanilla Beans Mex. whole cases .....	13.00	: 13.50
Cuts, cases .....	11.00	: 12.00
Bourbon, cases .....	10.50	: 11.00
South American, cases .....	...	: ...
Tabiti, yellow label cases .....	7.75	: 8.00
Green Label, cases .....	...	: ...
Vetiver Root, 100 lb bags .....	.25	: .26
Violet Flowers, bags .....	.80	: .85
<b>Wahoo BARK, of root bags .....</b>	.80	: .85
Of Tree, bags .....	.40	: .42
White Pine Bark, roseed, bags .....	.07½	: .08
White Poplar Bark, bags .....	.06	: .07
Wild Cherry Bark, thin green		
Roseed, bales .....	.12	: .13
Thick Natural, bales .....	.08	: .09
Thin Natural, bales .....	.08½	: .09½
Thick Natural, bales .....	.05	: .06
Willow, bark bags .....	...	: .06
White, bags .....	...	: .15
Witch Hazel Bark, bags .....	.07	: .08
Witch Hazel Leaves, bales .....	.07½	: .08
Worm Seed, American bags .....	.08½	: .09
Levant, bags .....	2.75	: 3.00
Wormwood Herb, imported bales .....	...	: .10
Yacca Gum, red .....	.04	: .04½
Ground .....	.05½	: .06½
<b>YELLOW DOCK ROOT, bags .....</b>	.12	: .14
Yellow Parilla Root, bags .....	.16	: .17
Yerba Santa, bags .....	.09	: .09½
Zedoary Root, bags .....	.11	: .12

## Essential Oils

Almond Bitter USP, 5 lb bot. ....	3.15	: 3.25
Bitter ff PA 5 lb bots. ....	3.25	: 3.50
Sweet, 56 lb cans .....	.40	: .41
Peach Kernel, 55 lb tins. ....	.24	: .25
Apriocot, see Peach Kernel		
Amber, crude 25 lb tins. ....	.70	: .75
Rectified, 25 lb tins. ....	.85	: .90
Angelica Root, 1 lb bot. ....	32.00	: 36.00
<b>ANISE, Tech., 66 lb cans. ....</b>	.47½	: .49½
USP, 50 lb tins .....	.50	: .55
Bay, 25 lb tins .....	2.20	: 2.30
Bergamot, 25 lb coppers .....	3.35	: 3.45
Artificial, 25 lb cans .....	2.20	: 2.35
Birch Tar, rect. 5 lb bot. ....	.75	: .80
Crude, 50 lb tins. ....	.30	: .50
Bois de Rose, 25 lb tins. ....	4.50	: 4.75
Cade, 25 lb cans .....	.35	: .40
Cajuput, native, 50 lb tins. ....	.75	: .80
Calamus, 5 lb bot. ....	4.20	: 4.65
Campbor, heavy, 1000 lb drums .....	.14½	: .15
Japanese, white, 75 lb cases .....	.14	: .14½
White, 1000 lb drums .....	.13½	: .14
Cananga, native 25 lb tins. ....	2.00	: 2.25
Rectified, 25 lb tins .....	2.50	: 3.00
Caraway, USP .....	4.00	: 4.50
Cardamom, USP, 1 lb bot. ....	28.00	: 30.00
Carrol, 5 lb bot. ....	14.00	: 15.00
<b>CASSIA, 80-85 p.c. 400 lb drms. ....</b>	...	: ...
Redistilled, USP, 50 lb cans. ....	2.75	: 2.90
Cedar Leaf, 50 lb tins .....	.90	: 1.00
Cedar Wood, light 1000 lb drums .....	.65	: .70
Celery, 1 lb bot. ....	10.00	: 11.00
Chaulmoogra, 80 lb cases .....	.85	: .90
Cinnamon, Ceylon, 1 lb bot. ....	11.00	: 12.50
Leaf, 5 lb bot. ....	1.40	: 1.50
<b>CITRONELLA, Ceylon</b>		
1000 lb drums .....	.73	: .80
50 lb tins .....	.76	: .83
<b>Java, 400 lb drums. ....</b>	...	: ...
50 lb tins .....	...	: ...
Cloves, USP, 50 lb cans. ....	1.85	: 1.90
6 lb bot. ....	1.95	: 2.00

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## Essential Oils

Copaiba, USP, 50 lb tins.....	D	.40	: .42
Coriander, USP, 1 lb bot.....	D	11.25	: 11.75
Croton, USP, 25 lb tins.....	D	.95	: 1.00
Cubeba, USP, 5 lb bot.....	D	5.00	: 5.25
Cumin, 1 lb bot.....	D	11.50	: 12.00
Dill, 1 lb bot.....	D	4.25	: 4.50
Erigeron, 20 lb tins.....	D	1.30	: 1.40
<b>EUCALYPTUS, Austl. USP</b>			
50 lb cans.....	D	.58	: .60
500 lb drums.....	D	.56	: .58
Fennel, USP, 25 lb tins.....	D	.90	: 1.10
Geranium, Algerian, 25 lb tins.....	D	7.75	: 8.50
Heorbon, 25 lb tins.....	D	7.25	: 8.50
Turkish, 25 lb tins.....	D	4.25	: 4.50
Ginger, 1 lb bot.....	D	9.00	: 10.00
Gingergrass, 25 lb tins.....	D	2.75	: 3.00
Hemlock, 50 lb cans.....	D	.85	: .95
Juniper Berries, USP, 25 lb tins.....	D	1.25	: 1.30
Wood, 50 lb tins.....	D	.50	: .60
Lavender, USP, 25 lb tins.....	D	5.50	: 6.50
Lemon, Spanish, 50 lb cans.....	D	.85	: .95
LEMONGRASS, Ital. USP, 25 lb tins.....	D	.85	: .95
American, USP, 25 lb tins.....	D	.70	: .75
Lemongrass, native, 50 lb cans.....	D	.75	: .85
Limes, express, 25 lb tins.....	D	2.40	: 2.50
Distilled, 25 lb tins.....	D	1.10	: 1.15
Linaloe, Mex. 80 lb cans.....	D	3.40	: 3.60
Mace, distilled, 50 lb tins.....	D	1.45	: 1.50
<b>Mirbane, ref. see Ar. Chemicals</b>			
Mustard, USP, 1 lb bot.....	D	...	: 14.00
Artif., USP, 1 lb bot.....	D	3.25	: 3.25
Neroli, Bigarade, 1/4 & 1 lb bot.....	D	40.00	: 60.00
Petale, 1 lb bot.....	D	90.00	: 120.00
Artificial, 1 lb bot.....	D	10.00	: 25.00
Nutmeg, USP, 25 lb tins.....	D	1.45	: 1.50
Orange, bitter, 25 lb tins.....	D	2.60	: 2.75
Sweet, W. Ind., 25 lb tins.....	D	2.45	: 2.55
Italian, 25 lb cop.....	D	2.70	: 2.90
American, 25 lb tins.....	D	3.00	: 3.10
Distilled, 25 lb tins.....	D	1.50	: 1.75
Spanish, 25 lb tins.....	D	2.45	: 2.80
Origanum, 50 lb cans tech.....	D	.35	: .35
Parsley, 1 lb bot.....	D	3.50	: 4.00
Patchouli, 5 lb bot.....	D	4.50	: 5.50
Pennyroyal, dom. 25 lb tins.....	D	2.00	: 2.25
Imported, 25 lb tins.....	D	1.65	: 1.70
PEPPERMINT, nat., 60 lb cans.....	D	5.75	: 6.00
Redis., USP, 60 lb cans.....	D	6.25	: 6.50
Petit Grain, S. Am. 25 lb tins.....	D	1.90	: 1.95
French, 1 lb bot.....	D	7.00	: 8.00
Italian, 25 lb tins.....	D	2.25	: 2.35

Pimento, 25 lb tins.....	D	2.25	: 2.35
Pinus Sylvestris, 25 lb tins.....	D	...	: 1.40
Pumilio, USP, 25 lb tins.....	D	...	: 2.25
Rose, Fr., 8, 16 & 32 oz. pags.....	os	...	: 9.00
Bulg., 8, 16 & 32 oz. pags.....	os	8.00	: 9.00
Artificial, 1 lb bot.....	D	3.00	: 3.00
Rosemary, USP, 27 1/2 lb. tins.....	D	.42	: .46
1000 lb drums.....	D	.35	: .40
Tech., 27 1/2 lb tins.....	D	.35	: .40
Rue, 1 lb bot.....	D	...	: 4.25
Sandalwood, E. Ind. USP, 70 lb cases.....	D	6.15	: 6.25
W. Indian, (Amrys) 25 lb tins.....	D	2.50	: 2.90
Sassafras, USP, 50 lb cans.....	D	1.30	: 1.35
Artificial, 1000 lb drs., 60 lb cans.....	D	.34	: .36
Savin, 5 lb tins.....	D	2.25	: 2.40
Spearmint, USP, 60 lb cases.....	D	3.25	: 3.50
Spruce, 50 lb tins.....	D	.85	: .95
Tansy Amer., 20 lb tins.....	D	2.75	: 3.00
Tar, 50 gal. bbls.....	gal	.25	: .28
Refined, USP 25 lb tins.....	D	...	: ...
Thyme, red, USP, 25 lb tins.....	D	.85	: 1.00
White, USP, 25 lb tins.....	D	1.00	: 1.10
Tech., 110 lb drums.....	D	.30	: .35
Vetiver, Bourbon 1 lb bot.....	D	12.00	: 14.00
Java, 1 lb bot.....	D	30.00	: 32.00
Wine, heavy 1 lb bot.....	D	...	: 1.50

### WINTERGREEN

Sweet boh., 25 lb tins.....	D	2.50	: 3.00
Southern, 25 lb tins.....	D	1.85	: 2.00
Gaultheria, true 25 lb tins.....	D	7.00	: 8.00
Southern, 25 lb tins.....	D	3.75	: 4.00
Synthetic, USP, 50 lb cases.....	D	...	: .47
Wormseed Salt, USP, 25 lb tins.....	D	4.50	: 4.75
Wormwood, dom., 25 lb tins.....	D	3.50	: 3.75
<b>Ylang Ylang, Bourbon 10 lb tins</b>			
No. 1.....	D	6.00	: 8.00
No. 2.....	D	5.00	: 6.00
Manilla, 1 lb bot.....	D	28.00	: 40.00
Artificial, 1 lb bot.....	D	10.00	: 12.00

### OLEORESINS

Aspidium, USP, 1 lb bot.....	D	2.75	: 3.00
Capsicum, USP, 5 lb bot.....	D	2.50	: 2.75
Ginger, 5 lb bot.....	D	3.35	: 3.60
Cubeb, USP, 1 lb bot.....	D	4.50	: 4.75
Malefern, See Aspidium			
Orris 1 lb bot.....	D	15.00	: 18.00
Pepper, black, USP, 1 lb bot.....	D	3.50	: 4.00
Vanilla, 1 lb bot.....	D	22.50	: 25.00

## Aromatic Chemicals

### NATURAL DERIVATIVES

Anethol, 2 lb bot.....	D	1.25	: 1.75
Borneol, 1 lb bot.....	D	...	: 3.50
CITRAL, 25 lb cans.....	D	2.75	: 3.00
Citronella, 1 lb bot.....	D	2.00	: 2.25
EUCALYPTOL, USP, 25 lb cans.....	D	...	: .80
Eugenol, USP, 25 lb cans.....	D	3.25	: 3.50
Geraniol, Domestic, 50 lb cans.....	D	2.75	: 3.50
Imported, 5 lb bot.....	D	3.50	: 4.25
Iso-Eugenol, 1 lb bot.....	D	4.50	: 5.00
Imported.....	D	5.25	: 6.25
Linalol, 5 lb bot.....	D	6.25	: 7.50
From Bois de Rose, 5 lb bot.....	D	11.00	: 12.75
MENTHOL, 60 lb cases.....	D	...	: 12.75
Less cases, 5 lb cans.....	D	...	: 13.00
Rhodinol, 1 lb bot.....	D	18.00	: 21.00
Extra, 1 lb bot.....	D	40.00	: 47.00
SAFROL, 60 lb cans.....	D	.45	: .47
Thymol, USP, 25 lb tins.....	D	5.00	: 5.25

### SYNTHETIC AROMATICS

Acetaldehyde, 50% sol. pure, 5 lb bot.....	D	1.75	: 2.00
Acetophenone CP, 1 lb bot.....	D	4.25	: 4.50
Aldehyde C-8 (Octyl), 1 lb bot.....	D	45.00	: 60.00
Aldehyde, C-9 (Nonyl), 1 lb bot.....	D	70.00	: 75.00
Aldehyde, C-10 (Decyl), 1 lb bot.....	D	50.00	: 58.00
Aldehyde, C-12 (Dodecyl), 1 lb bot.....	D	27.50	: 32.50
Aldehyde, C-14, 1 lb bot.....	D	22.50	: 25.00
Aldehyde, C-16, 1 lb bot.....	D	70.00	: 80.00
<b>Aubepine, see Anisic Aldehyde</b>			
Amyl Acetate, pure 5 gal. cans.....	gal	4.00	: 4.25
Amyl Butyrate, 1 lb bot.....	D	1.75	: 2.00
Amyl Cinnamate, 1 lb bot.....	D	4.00	: 4.50
Amyl Formate, 1 lb bot.....	D	1.50	: 1.75
Amyl Phenyl Acetate, 1 lb bot.....	D	4.50	: 5.00
<b>AMYL SALICYLATE, dom. 100 lb chys.</b>			
Imported.....	D	1.45	: 1.50
Amyl Valerate, 5 lb bot.....	D	2.25	: 2.50
Anisic Aldehyde, 1 lb bot.....	D	4.75	: 5.00
Anisic Aldehyde, 1 lb bot.....	D	3.75	: 4.25
BENZALDEHYDE, USP, 40 lb chys.....	D	1.40	: 1.50
FFC, 40 lb chys.....	D	1.50	: 1.65
Benzic Ether, See Ethyl Benzoate			
Benzophenone, 1 lb bot.....	D	6.75	: 7.00
Benzy Acetate, 100 lb chys.....	D	1.55	: 1.75

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## Aromatic Chemicals

Benzyl Alcohol, 5 lb bot.....	1.45	: 1.55	Iso-Butyl Benzoate, 5 lb bot....	4.75	: 5.00	Skatol, 1 oz. bot.....	7.00	: 7.25
BENZYL BENZOATE, 5 lb bot....	1.60	: 1.75	Iso-Safrol, 1 lb bot. Imported...	5.00	: 5.25	Terpinyl Acetate, 25 lb cans....	1.65	: 1.85
Medicinal FFC.....	1.75	: 2.00	Domestic, 5 lb bot.....	4.00	: 4.25	Imported, 25 lb cans.....	1.90	: 2.20
Benzyl Butyrate, C.P., 1 lb bot....	5.50	: 6.00	Linyl Acetate, 1 lb bot. Dom....	8.00	: 9.50	TERPINEOL, C.P., 1000 lb drums..	.48	: .50
Benzyl Cinnamate, 1 lb bot.....	10.00	: 10.50	Imp., 1 lb bot.....	8.00	: 8.50	Cans, 50 lb.....	.53	: .57
Benzyl Formate, 1 lb bot.....	3.00	: 3.25	Linyl Benzoate, 1 lb bot.....	13.00	: 14.00	Absolute, 25 lb cans.....	.90	: 1.15
Benzyl Propionate, 1 lb bot.....	5.00	: 5.25	Linyl Formate, 5 lb bot.....	10.50	: 12.00	Imported, 25 lb cans.....	1.00	: 1.10
Bornyl Acetate, 1 lb bot.....	3.00	: 3.50	Methyl Acetophenone.....	4.75	: 5.00	VANILLIN, USP, 500 oz. cans..	..	: 49 1/2
Bromatylol, 25 lb kgs.....	3.00	: 4.00	METHYL ANTHRANILATE dom.,			Cans, 16 oz., 80 oz.....	.50	: .51
Butyl Anthranilate, 1 lb bot.dom.	..	: 16.00	1 lb bot.....	2.75	: 3.25	Second Hands.....	.45	: .46
Butyric Ether, See Ethyl Butyrate			Imported.....	4.50	: 5.00	Valerianic Ether, See Ethyl Valerate		
Cinnamic Acid, 5 lb cans.....	3.00	: 3.25	Methyl Benzoate, 5 lb bot. Import.	2.00	: 2.25	Yara Yara, 1 lb cans.....	1.75	: 2.00
Cinnamic Alcohol, liquid 1 lb bot..	9.00	: 9.50	Domestic, 5 lb bot.....	1.75	: 2.00			
Crystallizable.....	3.50	: 10.00	Methyl Cinnamate, 1 lb bot.....	3.50	: 3.75	PERFUMERS' SUNDRIES		
Cinnamic Aldehyde.....	3.50	: 3.75	Methyl Heptenone, 1 lb bot.....	8.00	: 8.25	Almond Meal, 25 lb cans.....	.28	: .30
CITRONELLOL, 1 lb bot.....	9.00	: 11.00	Methyl Paracresol, 1 lb bot.....	8.00	: 9.00	Ambergris, black, bxs.....	8.00	: 10.00
Imported, 1 lb bot.....	10.00	: 12.00	Methyl Phenylacetate, 5 lb bot dom.	3.75	: 4.00	Ambergris, gray, bxs.....	..	: 26.00
Citronellyl Acetate, 1 lb bot.....	13.00	: 14.00	METHYL SALICYLATE, CSP 500 lb			Balsam Copaliba, Para, 80 lb cases..	.29	: .31
COUMARIN, 25 lb cans.....	3.25	: 3.45	drums.....	..	: .45	South American, 80 lb cases..	.37	: .39
DIETHYL PHTHALATE, 25 lb cans..	.40	: .45	50 lb cans.....	..	: .47	Balsam Peru, 120 lb cases.....	1.75	: 1.80
1000 lb drs.....	.35	: .40	Second Hands.....	.44	: .45	Balsam Tolu, 90 lb cases.....	1.85	: 1.95
Diphenyl oxide, 25 lb tins.....	.85	: .90	Mirbane, rect., 1000 lb drums....	.12 1/2	: .14	Benzoin Gum, Siam, bxs.....	1.30	: 1.35
Ethyl Acetate, pure, 5 lb bot.....	.45	: .50	Musk Ambrette, 1 lb cans.....	12.00	: 13.00	Castoreum, 1 lb bot.....	4.00	: 4.50
Ethyl Benzoate, 5 lb bot.....	1.85	: 2.00	Musk Ketone, 1 lb cans.....	15.00	: 16.00	Chalk, precip. light, 175 lb bbls..	.04 1/2	: .05
Ethyl Butyrate, 5 lb bot.....	1.75	: 2.00	Musk Xylene, 5 lb cans.....	3.75	: 3.90	Cherry Laurel Water, 5 gal cans.gal	1.15	: 1.25
Ethyl Caproate, 1 lb bot.....	3.25	: 3.50	Nerolin, 1 lb cans.....	1.85	: 2.00	Civet Abyssin, horns.....	2.75	: 3.75
Ethyl Cinnamate, 1 lb bot.....	3.50	: 3.75	Onenathic Ether, 1 lb bot.....	1.50	: 2.00	Labdanum, 5 lb bot.....	..	: 8.00
Ethyl Formate, 5 lb bot.....	2.00	: 2.10	Phenylacetate, 1 lb bot.....	3.00	: 3.25	Lanolin hydrous, 350 lb bbls....	.15	: .21
Ethyl-methyl Paracresol, 1 lb bot..	3.25	: 3.50	Phenyl Diacetate, 1 oz. bot.....	3.25	: 3.50	Anhydrous, 350 lb bbls....	.18	: .23
Ethyl Phenylacetate, 5 lb bot.....	3.75	: 4.00	PHENYLETHYLALCOHOL dom.,			Musk pods, Cabardine, tins.....	16.00	: 17.00
Ethyl Propionate, 1 lb bot.....	2.25	: 2.50	1 lb bot. 50 p.e.....	8.00	: 8.50	Tonquin, tins.....	22.00	: 25.00
Ethyl Valerate, 5 lb bot.....	4.50	: 4.75	Imported, 50 p.e.....	7.50	: 8.00	Grains, Cabardine, tins.....	25.00	: 26.00
Ethyl Salicylate, 5 lb bot.....	3.25	: 3.50	80-85 p.e.....	14.00	: 16.00	Tonquin, tins.....	35.00	: 38.00
Formic Ether, See Ethyl Formate			Phenylacetic Acid, 1 lb bot.....	3.00	: 3.25	Synthetic. See Aromatic Chemicals		
Geranyl Acetate, 1 lb bot.....	5.00	: 5.50	Phenyl Diacetate, 1 oz. bot.....	3.25	: 3.50	Orris Rt. Flor., powd. bbls.....	.08 1/2	: .09
Geranyl Butyrate, 1 lb bot.....	13.00	: 13.50	PHENYLETHYLALCOHOL dom.,			Verona, bbls.....	.05	: .04
Geranyl Formate, 1 lb bot.....	12.00	: 12.50	1 lb bot.....	8.00	: 10.00	Petrolatum, snow white-350 lb bbls..	.12 1/2	: .13
Heliotropin, dom., 100-10 lbs....	1.85	: 2.00	Imported.....	7.00	: 7.75	Light Amber, 350 lb bbls....	.04 1/2	: .05
Imported.....	2.25	: 2.50	Phenylethyl Butyrate, 1 lb bot....	26.00	: 28.00	Rice Starch, 140 lb bgs.....	.09	: .10
Hydroxycitronellal, 1 lb bot.....	12.00	: 14.00	Phenylethyl Formate, 1 lb bot....	19.00	: 21.00	Rose Water, 6.2-3 gal chgs.....gal	1.00	: 1.25
Indol, CP, 1 oz. bot.....	6.00	: 6.50	Phenylethyl Propionate, 1 lb bot..	20.00	: 24.00	Sandalwood chips, powd. bags.....	.50	: .35
Ionone, 1 lb bot. 100%.....	10.00	: 11.00	Phenylethyl Valerate, 1 lb bot....	25.00	: 28.00	Saponin, 5 lb tins.....	1.25	: 1.50
Alpha.....	14.50	: 16.00	Phenylpropylalcohol, 1 lb bot....	15.00	: 16.00	Talc Italian, 220 lb bgs.....ton	60.00	: 80.00
Beta.....	12.75	: 14.50				Talc French, 220 lb bags.....ton	40.00	: 45.00
Methyl.....	16.00	: 18.00				Talc, domestic ref., 100 lb bags..ton	14.00	: 15.00

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# Imports of Chemicals, Dyestuffs, Drugs, etc.

Imports at New York, Oct. 4 to Oct. 11

**ACIDS**—Lactic, 76 bbls., Order, Hamburg; Oxalic, 50 bbls., Order, Hamburg  
**ALBUMEN**—Blood, 20 cks., Pfaltz & Bauer, Trieste  
**ALOES**—168 cs., Order, Curacao; 100 cs., Suzarte & Whitney, Curacao; 37 bbls., Selma Merc. Corp., Curacao  
**AMMONIUM**—Bicarbonate, 100 cks., Kuttroff Pickhardt & Co., Rotterdam; 11 cs., 10 bbls., Brown Bros. & Co., Liverpool; 10 cks., J. Turner & Co., Liverpool; **Chloride**, 56 bbls., E. Suter & Co., Hamburg; 84 bbls., E. Suter & Co., Hamburg; **Muriate**, 98 cks., Kuttroff Pickhardt & Co., Rotterdam; 150 cks., C. De P. Field Co., Bristol  
**ANTIMONY**—Regulus, 250 cs., Bk. of Amer., Shanghai  
**ARGOLS**—188 bgs., Order, Lisbon  
**BALSAMS**—Tolu, 30 cs., De Lima Correa & Cortissoz, Cartagena  
**BARIUM**—Hydrate, 29 bbls., W. Brown & Co., Hamburg; 93 bbls., Brown Bros. & Co., Hamburg  
**BARKS**—40 bgs., Order, Hamburg; 5 bbls., Cohen & Co., Nassau; **Cinchona**, 10 bbls., Andean Trdg. Co., Cristobal; **Condurango**, 40 bbls., Andean Trdg. Co., Cristobal; **Dogwood**, 8 bbls., Cohen & Co., Nassau  
**CALCIUM**—Chloride, 154 drs., Order, Hamburg; Oxide, 2 cs., Nat. Amer. Bk., Hamburg  
**CHALK**—400 bgs., Brown Bros. & Co., Antwerp; Precipitated, 200 bgs., 275 cks., H. J. Baker & Bros., Bristol  
**CHALKSTONE**—25 cs., Roessler & Hasslacher Chem. Co., Hamburg  
**CHEMICALS**—34 cks., Roessler & Hasslacher Chem. Co., Rotterdam; 3 cs., Merck & Co., Rotterdam; 235 cs., 71 pgs., Order, South-

ampton; 3 cs., Johnson & Sons, Mfg. Chem. Ltd., London; 12 demijohns, 2 bbls., Blanck & Co., Hamburg; 79 pgs., Jungmann & Co., Hamburg; 100 bbls., State Fwdg. & Shpg. Co., Marseilles; 17 bbls., Stanley Doggett, Bremerhaven; 9 bgs., De Mattia Chem. Co., Glasgow; 330 bgs., 274 bgs., Brown Bros. & Co., Glasgow  
**CHEMICAL PRODUCTS**—12 cs., E. Fauger & Co., Havre; 159 cs., Happel & McAvoy, Trieste  
**CINCHONIDINE**—26 cs., R. W. Greeff & Co., Rotterdam  
**CLAY**—300 bgs., Reppublic Stamp & Enameling Co., Bristol; 100 bgs., H. Sonnenburg, Bristol  
**COLORS**—1 cse Standard Products Corp., Havre; 2 cks., 1 cse., Kuttroff Pickhardt & Co., Hamburg; 8 cks., 1 cse., Franklin Imp. & Exp. Co., Hamburg; 9 cks., Grasselli Dyestuff Corp., Rotterdam; 43 cks., Kuttroff Pickhardt & Co., Rotterdam; 22 pgs., C. B. Richard & Co., Hamburg; 10 bbls., G. Siegler Corp., Bremen; 15 cks., Order, Liverpool; **Bronze Powder**, 5 cs., B. F. Drakenfeld & Co., Bremerhaven; 4 cs., 6 bbls., Amer. Exp. Co., Bremerhaven; **Coal Tar**, 8 cks., Kuttroff Pickhardt & Co., Rotterdam  
**COPPER**—Manganese, 8 cks., Order, Liverpool  
**EARTH**—450 bgs., Amer. Shpg. Corp., Naples; Red, 480 bgs., G. Z. Collins & Co., Bristol; 61 cks., Order, Bristol  
**EPSOM SALT**—500 bgs., Brown Bros. & Co., Hamburg  
**ERGOT**—34 cs., 25 bgs., Order, Lisbon  
**GELATINE**—80 cs., P. Puttmann, Rotterdam; 107 bbls., 20 bgs., H. A. Sinclair, Rotterdam; 61 cs., Amer. Exp. Co., Hamburg

**GLAUBERS SALT**—42 cks., Braun & Roese, Hamburg  
**GLUE**—33 bgs., W. E. Miller, Antwerp; 200 bgs., Milligan & Higgins Glue Co., Hull; 12 drs., Order, Hull  
**GLYCERIN**—107 cks., Hercules Powder Co., Rotterdam  
**GUMS**—Benzoin, 3 cs., A. A. Stilwell & Co., London; 6 cs., Lo Curto & Funk, London; **Chicle**, 126 bbls., Order, Ciudad Bolivar; **Copal**, 874 bgs., Order, Antwerp; 50 cs., L. C. Gillespie & Sons, Singapore; 153 bgs., Baring Bros. & Co., Singapore; 100 bgs., Chem. Nat. Bk., Singapore; **Damar**, 100 cs., 128 bgs., L. C. Gillespie & Sons, Singapore; 150 bgs., 59 cs., Chem. Nat. Bk., Singapore; 192 bgs., Brown Bros. & Co., Singapore; **Mastic**, 18 bbls., Order, Piraeus  
**HERBS**—125 bbls., Order, Messina; 6 cs., Order, Bremen  
**IRON OXIDE**—89 cks., Reichard Coulston, Inc., Liverpool; 1 ck., E. M. & F. Waldo, Liverpool; 61 cks., J. A. McNulty, Liverpool; 2 cks., R. J. Waddell & Co., Liverpool; 2 cks., Order, Liverpool; 75 bbls., E. M. & F. Waldo, Inc., Malaga; 23 bbls., Hummell & Robinson Corp., Malaga; 228 bbls., Amer. Exch. Nat. Bk., Malaga  
**KAPOC**—100 bbls., Andean Trdg. Co., Cristobal; 200 bbls., H. F. Barroto, Cristobal; 230 bbls., Order, Cristobal; 200 bbls., Order, So. Pac. Ports  
**LEAVES**—Laurel, 100 bbls., M. Techow, Leghorn; Sage, 15 bbls., Order, Calamata; **Stramonium**, 26 bbls., W. Benkert & Co., Leghorn  
**LICORICE**—79 cs., Order, Alicante  
**LIME-FERTILIZER**—Nitrate, 1,132 cks., Order, Christiania

## YELLOW PRUSSATE OF SODA

Fine Granulated—Prime Crystals

High Yield—Minimum 99% Sodium Ferrocyanide

## YELLOW PRUSSATE OF POTASH

PRIME CRYSTALS

Minimum 99% Potassium Ferrocyanide

Manufactured by

THE AMERICAN CYANAMID COMPANY

Warners, N. J.



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**COLUMBIA BRAND**

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## Caustic Soda

All Tests

## Soda Ash

Dense-Light  
Granular if Desired

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50 BROAD STREET  
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FIRST NAT'L BANK BLDG.  
CINCINNATI

**LITHOPONE**—40 cks., A. Klipstein & Co., Antwerp  
**MAGNESIUM**—Chloride, 1 cse., Nat. Amer. Bk., Hamburg  
**MEDICINALS**—25 cs., Order, Naples  
**MENTHOL**—10 cs., Equit. Trust Co., Hamburg; 5 cs., McKesson & Robbins, London  
**OCHRE**—672 bbls., Reichard Coulston Inc., Marseilles; 211 bbls., Amer. Exch. Nat. Bk., Marseilles; 55 bbls., Heller & Merz Co., Marseilles; 164 bbls., Order, Marseilles  
**OILS**—Cod, 7 bbls., Order, St. Pierre; 69 cks., Cook & Swan Co., Halifax; 250 cks., Nat. Oil Products Co., St. Johns; 25 cks., R. Badcock & Co., St. Johns; 100 cks., Cook & Swan, St. Johns; 400 cks., R. Badcock & Co., St. Johns; 400 cks., Franklin Agency, St. Johns; 200 cks., Order, St. Johns; 204 tons, Cook & Swan, St. Johns; **Codliver**, 50 bbls., Oozomulsion Co., Bergen; 200 bbls., Bankers Trust Co., Bergen; 200 bbls., Order, Bergen; 50 cs., Schieffelin & Co., Christiana; **Grease**, 6 drs., Order, Glasgow; **Nut**, 80 pgs., Sun Kwong On Co., Vancouver; **Olive**, 100 bbls., Order, Piraeus; 200 cs., Nat. Shawmut Bk., Boston, Malaga; 300 cs., East River Nat. Bk., Malaga; 750 cs., D. Antolini, Leghorn; 380 cs., Order, Leghorn; 100 cs., H. J. Strait, Genoa; 100 cs., Cedar & Balamut, Genoa; 100 cs., C. Marchi, Genoa; 100 cs., Order, Genoa; 175 cs., F. H. Leggett & Co., Leghorn; **Palm**, 386 cks., African & Eastern Trdg. Co., Hamburg; **Kernel**, 80 bbls., Order, Hull; **Rape**, 125 bbls., Balfour Williamson & Co., Hull; 50 bbls., J. D. Irwin & Co., Hull; 75 bbls., J. C. Francesconi & Co., Hull; 655 bbls., Order, Hull; **Sesame**, 142 bbls., Order, Antwerp; 45 bbls., Order, Marseilles; **Sulphur**, 100 bbls., Order, Messina; 200 bbls., Nat. City Bk., Messina; 450 bbls., Order, Patras; 100 bbls., M. Zannustini, Leghorn  
**OILS—Essential**, 137 cs., Order, Messina; 6 cs., Orbis Products Trdg. Co., Havre; 7 cs., Goldman Sachs & Co., Hamburg; 4 drs., G. Lueders & Co., Malaga; 14 drs., Order, Malaga; 2 bbls., R. R. Dreyer, Grasse; 10 cs., Order, Grasse; 2 bbls., Order, Marseilles; 7 cs., Roure Bertrand Sons, Southampton; **Citronella**, 21 drs., Brown Bros. & Co., Colombo; 5 drs., Order, Colombo; **Fusel**, 4 drs., Order, Antwerp; **Jasmin**, 8 cs., Order, Grasse; **Orange**, 1 cse., Order, Grasse; **Safrol**, 4 drs., Goldman Sachs & Co., Hamburg  
**OPIUM**—15 cs., Order, Constantinople; 5 cs., Order, Smyrna  
**OXIDE**—Red, 30 cks., J. L. Smith & Co., Hull  
**PARALDEHYDE**—34 cts., Order, Hamburg  
**POTASSIUM SALTS**—Alum, 192 kgs., 50 bbls., Order, Hamburg; 100 cks., C. Hardy Inc., Hamburg; **Bromide**, 50 cs., Norwell Chem. Corp., Hamburg; **Caustic**, 125 cs., Merck & Co., Gothenburg; 300 drs., Ellis, Jackson & Co., Hamburg; 224 drs., 60 cs., A. Klipstein & Co., Hamburg; 218 drs., Roessler & Hasslacher Chem. Co., Hamburg; 265 drs., Superfos Co., Hamburg; **Manure Salt**, 1 lot, Potash Importing Co., Hamburg; **Muriate**, 250 bgs., Societe Comm. des Potasses d'Alsace, Antwerp; 4,000 bgs., Potash Importing Corp., Bremerhaven; **Nitrate**, 1,016 bgs., Kutroff Pickhardt & Co., Hamburg; **Prussiate**, 49 cks., Order, Hamburg; 31 pgs., C. Tennant Sons & Co., Liverpool; **Sulfate**, 9,699 bgs., Potash Imp. Corp. of Amer., Hamburg; 5,969 bgs., 36 bbls., Potash Imp. Corp., Bremerhaven; 8,000 bgs., 50 bbls., Potash Impgt. Corp., Bremerhaven  
**PUMICE**—Stone, 8,126 bgs., R. J. Waddell & Co., Canneto Lipari; 1,527 bgs., 13 cks., Order, Canneto Lipari; **Lump**, 6,307 bgs., Gallagher & Ascher, Canneto Lipari; **Powdered**, 200 bgs., T. Van Amringe & Son, Canneto Lipari; 175 bgs., C. B. Chrystal & Co., Canneto Lipari  
**PYRIDINE**—4 drs., Order, Hamburg  
**QUININE**—64 cs., R. W. Greff & Co., Rotterdam; 2 cs., Order, Southampton  
**ROOTS**—3 bbls., Chem. Nat. Bk., Rotterdam; 9 bbls., S. B. Penick & Co., Antwerp; 10 bbls., P. E. Anderson, Bremerhaven; **Arrow**, 50 bbls., J. Morningstar & Co., St. Vincent;

**Dandelion**, 104 bgs., Peek & Velsor, London; **Licorice**, 25 cs., Order, Marseilles  
**SAFFRON**—1 cse., A. E. Rittwagen Co., Alicante; 1 cse., Order, Alicante  
**SAL AMMONIAC**—40 cks., Seaboard Nat. Bk., Hamburg; 182 bbls., Order, Hamburg  
**SALT**—1,120 cks., W. A. Hazard & Co., Liverpool  
**SEAGRASS**—86 bbls., O'Connor Harrison & Co., Hongkong  
**SEEDS—Caraway**, 100 bbls., Reynolds Commission Co., Rotterdam; 250 bbls., R. J. Sassoon & Co., Rotterdam; 100 bgs., Archibald & Lewis Co., Rotterdam; 250 bgs., Habicht Braun & Co., Rotterdam; 100 bgs., A. Stallman & Co., Rotterdam; 300 bgs., J. Wertheimer & Sons, Rotterdam; 50 bgs., Vulcan Imp. Co., Southampton; 300 bgs., Order, Southampton; **Castor**, 28 bgs., S. L. Brinley, Port au Prince; **Coriander**, 285 bgs., Order, Casablanca; **Cumin**, 45 bgs., A. D. Strauss & Co., Casablanca; **Flax**, 46,361 bgs., Order, Buenos Aires; **Mustard**, 300 bgs., R. F. Downing & Co., London; **Poppy**, 800 bgs., Catz Amer. Co., Rotterdam; 100 bbls., H. Schoenfeld & Sons, Rotterdam; 72 bgs., C. M. Van Sillevold Inc., Rotterdam; 345 bgs., C. M. Van Sillevold Inc., Rotterdam; **Rape**, 500 bbls., Kar Millis & Co., Rotterdam; 150 bbls., G. W. Sheldon & Co., Rotterdam; 100 bgs., F. T. Horton & Co., Southampton  
**SILVER—Sulfide**, 80 cs., Watson Geach & Co., Antofagasta  
**SOAP**—700 bgs., J. D. Nordlinger, Leghorn; 700 bgs., C. L. Huisking Inc., Leghorn  
**SODIUM SALTS—Bromide**, 45 cs., Order, Hamburg; **Cyanide**, 224 cs., Order, Liverpool; **Fluoride**, 137 cks., E. Suter & Co., Rotterdam; **Nitrate**, 9,625 bgs., W. R. Grace & Co., Iquique; **Prussiate**, 72 cks., Order, Southampton; 45 cks., C. Tennant Sons & Co., Liverpool; **Sulfate**, 3 cs., Nat. Amer. Bk., Hamburg; **Sulfite**, 1 cse., W. E. Miller, Antwerp  
**SPICES**—30 bbls., Wolf Sayer & Heller, Hamburg; **Bitters**, 1,025 cs., J. W. Wupperman, Trinidad; 1,850 cs., J. W. Wupperman, Trinidad; **Cinnamon**, 3 bbls., Order, Marseilles; **Ginger**, 5 pgs., Sun Kwong On Co., Vancouver; **Mace**, 8 bgs., Intercean Fwdg. Co., Grenada; 6 cs., 1 bbl. E. L. Prior & Co., Grenada; 4 cs., 2 bbls., G. T. German, Grenada; 14 bgs., Archibald & Lewis, Grenada; 5 cs., 2 bbls., Middleton & Co., Grenada; **Mustard**, 24 cs., Deforth Bros., Rotterdam; **Nutmegs**, 20 bgs., Irwin Harrison & Whitney, Grenada; 14 bgs., E. L. Prior & Co., Grenada; 57 bgs., E. Miltenberg Inc., Grenada; 100 bgs., Catz Amer. Co., Grenada; 50 bgs., Van Loon & Co., Grenada; 27 bgs., Middleton & Co., Grenada; **Pepper**, 25 bgs., Lo Curto & Funk, London; **White**, 350 bgs., Order, Singapore; **Pimento**, 326 bgs., Order, Kingston; 25 bgs., Lundt & Co., Alicante; 50 bgs., Knickerbocker Mills Co., Alicante; 10 bgs., G. W. Sheldon & Co., Alicante; 30 bgs., Yohalem & Diamond, Alicante  
**SUMAC**—490 bgs., Order, Palermo  
**TALC**—4,700 bgs., Ital. Disc. & Trust Co., Genoa  
**TARTAR**—312 bgs., Royal Bkg. Powder Co., Alicante; 388 bgs., C. Pfizer & Co., Marseilles; 610 bgs., Royal Bkg. Powder Co., Marseilles; 373 bgs., C. Pfizer & Co., Marseilles; 100 bgs., Tartar Chem. Co., Marseilles  
**VANILLA**—Beans, 4 cs., Thurston & Braddick, Marseilles  
**WOODFLOUR**—750 bgs., B. L. Soberski, Christiania  
**ZINC—Oxide**, 20 cks., E. M. & F. Waldo, Antwerp; 250 cks., L. H. Butcher & Co., Liverpool; 30 bbls., Order, Marseilles

### IMPORTS AT BOSTON

Oct. 4 to 11

**EXTRACT—Quebracho**, 7,982 bags, Order, Buenos Aires  
**GLUE**—100 bags, Order, Liverpool  
**OILS**—Cod, 311 casks, Order, St. Johns, N.F.; 100 casks, J. S. Bent, St. Johns, N.F.; 150 casks, Carroll Chem. Co., St. Johns, N.F.;

**Palm**, 538 casks, East African Trading Co., Liverpool; 79 casks, Order, Liverpool; **Wood**, 149 casks, Order, Marseilles  
**SHELLAC**—60 bags, Rogers-Pyatt Shellac Co., Calcutta  
**WOOL GREASE**—100 bbls., Order, Liverpool

### IMPORTS AT PHILADELPHIA

Oct. 1 to 8

**GLUESTOCK**—146 bbls., Order, Leghorn  
**BARYTES**—983,390 kilos, Phila. Nat. Bank, Bremen  
**KYROLITE**—2,150 tons, Penna. Salt Mfg. Co., Ivigut  
**OIL—Palm Kernel**, 148 bbls., Order, Hull  
**POTASH**—2,500 bags, Potash Importing Co., Bremen; **Manure Salt**, 136,000 kilos, Potash Importing Co., Bremen  
**WITHERITE**—51 tons 11 cwt., Foote Mineral Co., Middleboro

### IMPORTS AT BALTIMORE

Oct. 3 to 9

**AMMONIA—Muriate**, 83 cases, 63,703 lbs., Kutroff, Pickhardt & Co., New York, Sac City, Rotterdam  
**CHALK**—400 bags, 96,800 lbs., Atlantic Exchange Bank and Trust Co., Sac City, Antwerp  
**CHROME ORE**—2,000 tons, E. J. Lavino & Co., City of Edinburgh, Beira; 500 tons, E. J. Lavino & Co., City of Edinburgh, Beira; 500 tons, F. H. Shullus Co., City of Edinburgh, Beira  
**FERRO-MANGANESE**—490 tons, Alex. Brown & Sons, Chickasaw, Middleboro; 175 tons, F. H. Shullus Co., West Cobalt, Manchester  
**FLUOR SPAR**—903 tons, Shimer & Co., Inc., Chickasaw, Middleboro  
**GLUE**—157 bags, 16,247 lbs., Baltimore and Ohio, West Nosska, Liverpool  
**MANGANESE ORE**—2,967 tons, United States Steel Products Co., Bengal Maru, Calcutta; 2,000 tons, United States Steel Corp., City of Calcutta, Calcutta  
**QUEBRACHO EXTRACT**—1,972 bags, 200,000 lbs., Shawmut Corp. of Boston, West Keene, Buenos Aires  
**SEED—Poppy**, 100 bags, 110,000 lbs., Catz American Co., New York, Sac City, Rotterdam  
**SODA—Nitrate**, 23,221 bags, 25,615 quintals, W. R. Grace & Co., New York, Ascot, Iquique; 32,145 bags, 23,580 quintals, Clarence Cottman Co., Anglo-Saxon, Iquique; 63,649 bags, 46,135 quintals, Clarence Cottman Co., Anglo-Saxon, Tocopila

### IMPORTS AT NEW ORLEANS

Oct. 3 to 10

**GUM—Chicle**, 536 bales, Wm. Wrigley, Jr. Co., Port Barrios; 280 bales, Chicle Development Co., Port Barrios  
**HONEY**—3 tons, Order, Porto Rico  
**MANURE SALT**—1,220 tons, Order, Antwerp

### IMPORTS AT SAN FRANCISCO

Sept. 27 to Oct. 4

**ACID—Oxalic**, 24 casks, Roessler, Hasslacher Chemical Co., Rotterdam  
**ALUM**—67 bbls., Order, Liverpool  
**AMMONIUM—Chloride**, 8 casks, Order, Rotterdam  
**COPPER—Sulfate**, 100 casks, Order, Liverpool  
**COPRA**—270 tons, El Dorado Oil Works, Zamboanga; 700 tons, Order, Cebu; 346 tons, El Dorado Oil Works, Manila  
**OIL—Coconut**, 1,058 tons, Order, Manila; **Cod Liver**, 15 bbls., Raymond Company, Rotterdam; **Eucalyptus**, 40 cases, Atkins, Kroll & Co., Melbourne; **Palm**, 5 cases, Balfour Guthrie & Co., Liverpool  
**SEEDS—Caraway**, 35 bags, North American Trading Co., Rotterdam; 150 bags, Order, Rotterdam; **Mustard**, 75 bags, Order, Rotterdam  
**SODA ASH**—180 bags, Order, Manchester  
**UMBER**—26 casks, L. H. Butcher Co., Inc., Manchester

Chemists for Holland's principal dye and paint manufacturers have been testing the various qualities of turpentine found in the Gajolands of Sumatra. The chemists' reports state that the Sumatra turpentine, of which enormous quantities are available, not only competes with the best grades of French and American turpentine, but, in many respects, is superior.

Receipts of Chinawood oil during August fell from 13,182,337 pounds, valued at \$2,325,156, in August, 1923, to 2,325,156 pounds, valued at \$327,050, in August, 1924. Linseed oil exports showed a decided improvement while the imports fell 49 per cent, but the imports were far greater than the exports, having equalled 3,654,486 pounds, valued at \$294,672.

## DYE STANDARD LIST NO. 10 ISSUED

Washington, D. C., Oct. 15—Supplemental dye list No. 10, covering standards of strength of dyes, has been issued by the Customs Service of the Treasury Department. The list follows (the imported product identical with standard is indented under each standard):

No.	Class index	Name of Standard	Mr.
1k	(D.S)	Acridine Brown O Conc. ....(Rohner)	
2k	(V)	Algol Blue 3 RP .....(By)	
		No identical product	
3k	S.825	Algol Red B. ....(By)	
	C.1155	12 1/2% Paste	
4k	C.1045	Algol Red B. Pastes and Powder.....(By)	
		Alizarine Bordeaux GG 20% Paste.....(By)	
		Alizarine Bordeaux GG .....(By)	
5k	(D)	Benzo Fast Bordeaux 6 B L .....(By)	
		No identical product	
6k	C.278	Benzo Fast Rubine BL .....(By)	
		No identical product	
7k	(B)	Brilliant Acridine Orange R.....(Rohner)	
		No identical product	
8k	S.370	Brilliant Congo R .....(A)	
		No identical product	
	C.456		
9k	S.841	Brilliant Dianil Blue 6 G.....(M)	
	C.710		
		Brilliant Sky Blue 5 G .....(By)	
10k	(A) (M)	Carmoisine 3 B .....(By)	
		No identical product	
11k	(D)	Chlorantine Fast Grey B.....(J)	
		No identical product	
12k	S.587	Eosine A .....(B)	
	C.768	Eosine N D A, A .....(Kuhlman)	
13k	(M)	Erio Chrome Red G .....(G)	
		No identical product	
14k	S.873	Helindone Brown A N 10% Paste .....(M)	
	C.1149		
		Helindone Brown A N .....(M)	
		Pastes and Powder	
		Vat Brown I G R .....(M)	
15k	C.1006	Immedial Green G .....(C)	
		Sulphide Green B L Extra Conc.....(M)	
16k	(V)	Indanthrene Reddish Brown R .....(B)	
		12 1/2% Paste	
		Indanthrene Reddish Brown R.....(B)	
		Pastes & Powders	
		Vat Reddish Brown R .....(M)	
		Pastes & Powder	
17k	(L)	Lithol Fast Orange R 18% Paste .....(B)	
		Lithol Fast Orange R Pastes & Powder (B)	
		Stone Fast Orange R Pastes & Powder (B)	
18k	S.558	New Victoria Blue B. ....(By)	
	C.728		
		Victoria Blue R .....(J)	
19k	(Sr)	Thiogene Direct Blue G .....(M)	
		Sulphide D rect Blue G. Conc.....(M)	
20k	(Sr)	Thional Brilliant Green 2 G.....(S)	
		Sulphide Green G L Extra Conc.....(M)	
17	S.844	Algol Blue 3 G. 12 1/2% Paste .....(By)	
	C.1111		
		Algol Blue 3 G P. Pastes & Powder.....(By)	
21	S.830	Algol Brilliant Violet R 12 1/2% Paste.....(By)	
		Grelanone Violet R R .....(Gr-E)	
		Pastes & Powder	
23	S.8	Algol Brown R 12 1/2% Paste .....(By)	
		Grelanone Brown R R .....(Gr-E)	
		Pastes & Powder	
25	S.847	Algol Green B. 12 1/2% Paste .....(By)	
	C.1116		
		Vat Green I 2 B. Pastes & Powder.....(By)	
52	C.1091	Alizarine Rubinol 3G .....(By)	
		Rubine 3 G. ....(By)	
8a	S.801	Anthracene Blue SWGU .....(B)	
	C.1060		
		Brilliant Alizarine Cyanine 3 G.....(By)	
73	S.759	Anthraflavone G C 12 1/2% Paste .....(B)	
	C.1095		
		Anthra Yellow G C Pastes & Powder.....(B)	
11i	(V)	Indanthrene Pink B. 20% Paste .....(B)	
		Helindone Pink I B, Pastes & Powder (M)	
329	S.831	Indanthrene Red B N Extra 12 1/2% Paste (B)	
	C.1162		
		Vat Red R.K.P. Pastes & Powder.....(B)	
339	S.776	Indigosol D H. ....(D.H.)	
	C.1178		
		Indigosol O. ....(B)	
414	S.607	Rheonine G D. ....(B)	
	C.795		
		Neophosphine G Conc. ....(Rohner)	
416	(B)	Rhodamine 6 G. ....(B)	
		Rosazaine 6 G D Extra .....(M)	
91a	S.175	Silk Ponceau G. ....(K)	
		Acid Ponceau E. ....(G)	
	C.196		
439	S.618	Thioflavine T. ....(C)	
	C.815		
		Chrysophosphine 2 G Conc. ....(Rohner)	

Correction:—Hydron Violet R pastes and powder (C) is removed from the original list as being identical with Helindone Violet R (standard 296).

## Trade Notes and Personals

Delta Chemical & Iron Co. has filed judgment for \$4,078.29 in New York County against Dicks, David Co.

Robert Fries, of Fries & Fries Co., Cincinnati, manufacturers of aromatic chemicals, is spending this week at the New York office of the company.

George Huisking of Charles L. Huisking, Inc., New York, left Tuesday for a ten-day trip through the cities of New York state.

International Agricultural Corp., New York, has contracted with Hugger Brothers, of Atlanta, Ga., for the erection at Spartanburg, S. C., of a fertilizer plant costing \$125,000 to replace the plant destroyed by fire.

American Linseed Co. has been awarded reparation amounting to \$10,495.82 with interest at 6 per cent from March 15, 1923, by the Interstate Commerce Commission in the company's case in Docket 14,829 against the Erie R. R. Co.

The formation of the National Fabric and Finishing Co. has been approved by the stockholders of Lowell Bleachery, Lowell, Mass., one of the companies in the merger. Similar action is expected of the other consolidating companies.

George W. Fortmeyer, manager of the Atlantic branch of National Lead Co., New York, celebrated his seventieth year of service with the company on Oct. 8. Mr. Fortmeyer was presented with a very fine radio set by a committee of twenty-five of his business associates.

Blumauer-Frank Drug Co., Portland, Ore., wholesale druggists, who recently took over Clarke Woodward Drug Co. and Pacific Wholesale Drug Co., is constructing a new building seven stories high on a plot 100 by 200 feet. It will cost \$300,000 and give the company about 160,000 square feet of floor space.

The importation of glues is steadily increasing, being confined mostly to products valued at 40c per lb., and the increasing competition due to these imports is being very strongly felt. The duty on these products is 20 per cent ad valorem, plus a specific duty of 1 1/2c per lb. and on products valued at more than 40c per lb., the specific duty is increased to 7c per lb.

A permanent committee to be known as the Tannery Wastes Disposal Committee has been elected by the prominent tanning interests of Pennsylvania with a view to preventing the pollution of the rivers and streams of the state by plant wastes. The officers of the committee, which will be recognized officially by the state departments, are W. L. Stevenson, chief engineer of the State Department of Health, chairman, and P. S. Oberlander, engineer for Elk Tanning Co., secretary. A fund of \$35,000 is available.

A suit has been filed by Grasselli Chemical Co. in the United States District Court, Southern District of New York, against Heyden Chemical Co., the plaintiff claiming infringement of U. S. patent 1,149,580 by the defendant in the sale of hexamethylene-tetramine as an accelerator in the vulcanizing of rubber. The Grasselli company, which operates under a patent bought by them from the Alien Property Custodian during the war, licensed the Heyden company until about four months ago. An injunction is asked by the plaintiff restraining the defendant from further sales under the patent.

# Local Spot Stocks



A selected list of established jobbers, merchants, and sales agents who carry stocks of standardized, branded products in local warehouse and who are prepared to render prompt distribution service.



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**FOR ALL PURPOSES**  
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 Sales Offices and Warehouses  
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 MICHIGAN ALKALI CO'S  
 SALES DEPARTMENT

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 Phone Central 2348 and 2349  
 Western Headquarters On  
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 Zinc Stearate—Zinc Oxide—Filter Paper  
 Stearic Acid—Rice Starch—Waxes  
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 Western Sales Agents for  
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 Amyl Ethyl Butyl  
**IODIDES**  
 Potassium Sodium Ammonium  
 Manufactured by  
 Witbeck Chemical Corporation  
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**WISHNICK-TUMPEER**  
**CHEMICAL COMPANY**  
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**CHEMICALS**  
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 INDUSTRIAL CHEMICALS  
**A. DAIGGER & COMPANY**  
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DEPENDABLE SERVICE  
**Benner Chemical Company**  
 208 South La Salle Street, Chicago, Ill.  
 Soda Ash, Caustic Soda, Neutral  
 Soda, Washing Soda, Cleaner and  
 Cleanser, Bicarbonate of Soda,  
 Tri Sodium Phosphate, Oxalic  
 Acid.  
 Address All Communications to Main Office

## Indiana

  
 Liquid Chlorine—Caustic Soda—Soda Ash  
 Bleaching Powder—Anhydrous Ammonia  
 Modified Virginia Soda—Bicarbonate of Soda  
 Aqua Ammonia Ethyl Acetate  
 Brimstone Butyl Alcohol  
 Sulphur Refined Fusel Oils  
 Saltpetre (Potassium Ether  
 Nitrate) Alum (Aluminum  
 Sodium Nitrate Sulphate)  
 Potassium Chloride Turpentine  
 Amyl Acetate Rosin "P"  
 Butyl Acetate  
**The ULRICH CHEMICAL CO.**  
 606 OCCIDENTAL BUILDING  
 INDIANAPOLIS  
 Main 6879—Lincoln 6879

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 Bleaching Powder—Anhydrous Ammonia  
 Modified Virginia Soda—Bicarbonate of Soda  
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 LABORATORY CHEMICALS  
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**CHEMICALS**

**ALCOHOL**  
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# Local Spot Stocks

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Atlantic Carbonic Co.  
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Franco-American Chemical Works  
**Amyl Acetate**  
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Bleaching Powder-Anhydrous Ammonia  
Modified Virginia Soda-Bicarbonate of Soda

**Flavors—Food Colors**

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Liquid Chlorine-Caustic Soda-Soda Ash  
Bleaching Powder-Anhydrous Ammonia  
Modified Virginia Soda-Bicarbonate of Soda

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Albumen-Epsom-Lithopone  
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SPOT STOCKS

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**Tri Sodium Phosphate**

(General Chemical Co.)

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# Local Spot Stocks

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**PLANT OR LABORATORY**—Young American chemist doing college work in evening desires position in New York or immediate vicinity. Box 196, DRUG & CHEMICAL MARKETS.

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## SITUATIONS WANTED

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**MANAGER-SALESMAN**—At present time in complete charge of heavy chemical division of well known house, would consider proposition of merit from reputable firm. Writer thoroughly conversant in the buying and selling of chemicals, desires change because present connection offers too limited prospects. Box 190, DRUG & CHEMICAL MARKETS.

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## HELP WANTED

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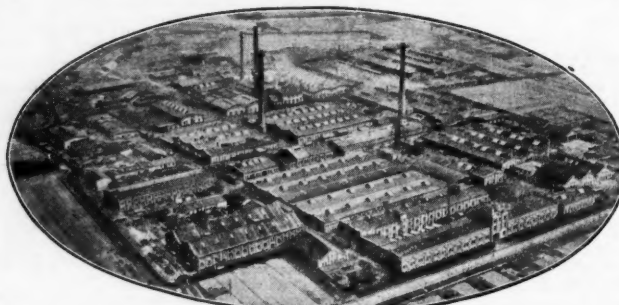
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**STEEL DRUM AND BBL. CO.**  
South Kearny, N. J.



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ETHER, ANESTHESIA	IODINE, DISTILLED
ETHER, U. S. P.	NORMAL PROPYL ALCOHOL
ETHYL ACETATE	POTASH SALTS
ETHYL ACETO-ACETATE	POTASSIUM IODIDE
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ETHYL ALCOHOL, C. P. 96%	SPECIAL ESTERS
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